plane GRUMMAN news

The A-6 Intruder
and the Grumman field rep—
a plane, and a man, for all seasons

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Combine Materials, Processes for fast technology development

For the past couple of months, Tom Main has been looking over the fortunes of the Materials and Processes Department, a newly created department that ties together Product Engineering and Manufacturing Engineering efforts so as to assure the rapid and economical development of new materials and processes.

This fledgling but broadly based group is an outgrowth of the Company's desire to meet the fast-changing world of technology. As Vice President Grant Hedrick puts it:

"Our products are reaching such a level of sophistication that it's tough to set down clear lines between the development of a product and its manufacture. The important thing is, that to keep up with the increasingly intense competition, you have to take a new material or process from its concept stage and push it straight through to development and production—and do it fast!"

That's the task of Main's department, which embraces the Engineering Materials section of Product Engineering; Chemical, Metallurgy and Welding, and Mechanical Processes group of Advanced Manufacturing Development; Chemical Process Engineering and Metallurgy and Welding Engineering sections of Process Engineering; and Elements and Materials Test group of Structural Engineering.

Unaffected by this consolidation are the F-14 Titanium Forming group of AMD, the Mechanical Process and Electrical Process sections of Process Engineering, and the Forgings and Casting group of Machining Engineering.

"By blocking it out this way," Main says, "we can make sure that promising ideas, either in materials or processes, see the light of day early. Then we're in a position to pursue the ideas effectively for as long as necessary—to advanced development, test, or production.

"The important thing here is that the entire group is going in the same direction."

Concentration of effort

According to Paul Kanzler, Main's deputy, this new organization is lean and powerful: "Concentration of effort should be greater than ever, giving us a number of pluses—things move more rapidly, there's a minimum of duplication and wasted effort, control is surer, visibility increases, and there's a better handle on costs."

It all boils down to better management across the board.

To implement this policy, the Materials and Processes Department is made up of three fundamental organizations: Advanced Materials and Processes Development, under Carl Micillo; Materials and Processes Engineering, headed by Charlie Weizenecker; and a Materials and Processes Lab, managed by Jack Petralia. Under these three managers are the specific disciplines, such as metallurgy, chemistry, advanced composite structures, chemical engineering, and materials test.

The action flow, then, would normally start with Micillo's section, where new materials or processes are to be looked into and tested. These evaluations—when promising—are passed on to Weizenecker's team (Chemical Engineering, and Welding and Metallurgy) where the materials and processes are put to use from working designs, into production, and "bird-dogged" right through the item's life-service cycle.

Supporting this birth-to-use chain are the analytical and testing facilities in Petralia's lab.

In sum (as Main says), "We now have in Plant 12 the capability of accelerating product progress, smoothly, swiftly, and surely. We've got an organization geared to do the most critical of the industrial tasks: to be a step ahead of the competition."

Setting up shop. Tom Main, director of the new Materials and Processes Department, confers with his deputy, Paul Kanzler, on jobs coming down the pike.

Assist to Travelers

With thousands of Grummanites signing up for personal insurance through the Grumman Financial Services Plan, The Travelers representatives report some confusion on the part of a few who find that their early payroll deductions are larger than the rate quoted at time of purchase.

In these cases, Travelers point out, there has probably been a processing delay that has made it necessary to deduct an additional amount for a month or two until the purchaser is in phase with the normal deduction cycle.

Delays in starting the payroll deductions can usually be traced to difficulty in establishing the proper premium or the proper billing information. Future purchasers of insurance under the Plan can assist The Travelers representatives by giving full and correct information:

- Make sure the counselor knows your proper payroll status: weekly or biweekly.
- Tell the counselor if you are on another payroll than Grumman Aerospace (e.g., Grumman Corporation, Grumman Aerospace Officers, Bethpage Federal Credit Union, Grumman Allied, Grumman Data Systems).
- Employees considering automobile insurance: your state Motor Vehicle record is reviewed in rating your automobile policies, and confusion and delay result when the Motor Vehicle record reveals accidents or convictions that were not reflected in your premium quotation. Persons with a poor driving record must realize that, as is true with most automobile insurance companies, the rates under the Grumman Financial Services Plan have to be increased for drivers with records of accidents or convictions. By the same token, car insurance purchasers with no accidents or convictions during the past three years receive the lowest discounted rate under the Plan.

With several thousand employees now carrying personal insurance under the Grumman Financial Services Plan, the Company is anxious that employees receive prompt and proper service. Those who have had questions on the payroll deduction feature of the Plan have been few, and most of the questions regarding payroll deductions can be explained by processing delays. However, if there are questions with regard to the deduction amount, The Travelers representatives are available to review a particular situation. If you cannot arrange to see the representative assigned to your plant or department, ask for an appointment request card from Employee Services or call the Travelers representative in Plant 28, Ext. 86367.

Good wishes, pleasant retirement

More than 100 men and women who had contributed to the success of Grumman over the years retired from the Company last month. Plane News published part of the list last issue and is happy to add the names of these others, whose friends and co-workers send good wishes for a pleasant retirement.

Wesley G. Heflin, Prototype, Plant 29; Albert E. Hendrickson, Wood Shop, Plant 1; William W. Hichborn, Facilities Maintenance Administration, Plant 2; Charles Hlavacek, Small Parts Fabrication, Plant 2; William Horton, Plant Protection, Plant 6.

Fred M. Iversen, Manufacturing Inspection, Plant 3.

Paul Kantz, Production Control - Parts Contr. Detail, Plant 2; Ignaz Koch, Prototype, Plant 2; Charlotte C. Koller, Food Services, Plant 5; Paul Kotze Jr., Prototype, Plant 2; John J. Krawczyk, Glass Canopy, Plant 27; John S. Kupfer, Plant Protection, Plant 18; Franklin T. (Hank) Kurt, Business Development, Plant 5.

Edwin N. Laurance, Operations Planning & Budget, Plant 5; Frank P. Leitch, P/S Provisioning Requirements, Plant 30; Louis N. Lord, Electronic Flight Devel. Operations, Plant 7; Vincent P. Lucas, Upholstery, Plant 29; Erling M. Lunde, Receiving Inspection, Plant 24.

Manuel Madeiros, Tool Fabrication - Tool & Die, Plant 6; Willard H. Maginnes, Wood Shop, Plant 1; Bruno A. Maraun, Sub-Assembly, Plant 36; Wilbur S. Martine, Avionics Management & Staff; Plant 6; Francis McCormick, Maintenance Waste Disposal & Grounds, Plant 2; Randolph Morse, Router & Shear, Plant 3.

Walter H. Neiman, Training & Development, Plant 38.

Richard O'Connell, Plant Stores & Distribution, Plant 4; David Orr, Electronic Flight Devel. Operations, Plant 6; Mariana Ostasieski, P/S Pricing, Plant 4.

Alfred Palmer, Alodine, Plant 3; Guido E. Parenti, Center Section Sub, Plant 27; Edward Pearman, Test Operations, Plant 83, KSC; Charles S. Perkowski, Spotweld, Plant 3; John J. Petrowski, Electronics Flight Devel. Operations, Plant 1; Merton C. Proctor, Tanks & Ducts, Plant 3.

Frederick E. Randall, Facilities Maintenance, Plant 5; Ralph Revere, Alodine, Plant 2; Vashtie L. Rice, Facilities Maintenance, Plant 30; Allen E. Rogers, Quality Control Lab, Plant 10; Angelo Romano, Parts Paint, Plant 2.

Ecosystems door opening as Gulfstream wings out

With the first (and successful) flight January 22 of a Gulfstream I modified for aerial survey work, Grumman took what Bill Schwendler Jr. terms "a modest but significant step" into the developing field of ecological systems. Though ecological systems may seem somewhat removed from aerospace systems, Bill feels that Grumman, because of experience in related areas, is ideally suited to the task of giving man greater control over his environment in the fields of mineral exploration, pollution control, environmental planning, agriculture, forest management.

The first major move toward proving out this theory, a "mini-mod" program on Gulfstream No. 703-G, was initiated last month by the new Ecosystems Department headed by Schwendler. The modification program involved some structural rework and the installation of four Hasselblad cameras, an infrared scanner, and a remote thermometer that will be used in upcoming aerial surveys. The remote thermometer is used to calibrate IR gear so that absolute temperatures of the areas being scanned can be obtained. The modification program and operations are being headed by Tom Attridge, who has extensive experience in E-2 and LM program management.

Pollution control

Initially, these Gulfstream flights will be limited to the areas over Jamaica Bay and the Hackensack meadows, where information will be collected photographically and by infrared sensing devices for use in pollution control and environmental studies. Flights will also be made over other selected sites in the New York Metropolitan area to improve the correlation of data obtained by aerial sensing and "ground truth;" in other words, making sure that information collected in these aerial surveys is, in fact, corroborated by visual inspection of ground targets. Associated with Grumman in this first venture are Zurn Industries and New York University.

In March, the Ecosystems aircraft is scheduled to go back into the shop for a major modification to prepare it for more extensive aerial exploration later in the year. The modification will include the installation of a magnetometer, an instrument that has been used very successfully in recent years in surface explorations for minerals and petroleum, and for geological surveys.

Experience in the application of infrared sensing devices, radar, and photography for military aerial reconnaissance, Schwendler points out, has provided the Company with engineering and hardware capabilities that can logically be applied to photographic mapping and the collection of scientific data. Life-support system experience gained from the Lunar Module and Ben Franklin submersible, for example, is providing spin-off that can be directed toward pollution control.

Developing market

Three-quarters of a billion dollars was expended in 1968 for petroleum exploration alone, says Schwendler, with a sizeable fraction of it going for aerial surveys. And with the current development of improved techniques in infrared scanners and multi-spectral photography, it appears that a significant market will open in agriculure, forest control, and mineral exploration, as well. Multi-spectral photographs, produced with the aid of film emulsions and filters that are very sensitive to different wavelengths of light, enhance differences in foliage and soil types, thereby permitting improved interpretation.

Bill Coulbourn, who was formerly head of the Earth Resources group in Product Development, is now heading the applications and technology efforts in Ecosystems to use these techniques in new markets.

Though Schwendler sees aerial surveys as providing the common thread to weave various ecological areas into a profitable venture for the Company, Bill also foresees the necessity of building an interpretation capability before Grumman can hope to build a successful Ecosystems operation.

Schwendler feels that Grumman Aerospace has the people and the technical capabilities that will fit in nicely with this new market venture, but he is quick to point out that there are some aspects of aerial survey work that are decidedly different from military sales. Not only will lead times and backlogs be much shorter, but operations will be world wide and must be flexible enough to meet the needs of commercial customers and such Federal customers as the Departments of Interior and Agriculture.

How are prospects? Schwendler says that the groundwork provided by the Earth Resources group, coupled with the current Ecosystems team building under Tom Attridge and Bill Coulbourn, should make the first flight of No. 703-G only the first of many more successful steps in the future.

Test ride. Vice Adm. Noel Gayler tries the F-14 cockpit for size as Project Pilot Bill Miller briefs him on the new air superiority fighter. Adm. Gayler, director of the National Security Agency, visited the F-14 mockup during a trip to Bethpage last week for updating on Grumman programs.

New venture. First flight of Ecosystems Gulfstream, modified for aerial survey work, marked increased activity by the Company in field of ecological systems. On hand for the occasion were (from left clockwise) President Lew Evans; Bill Coulbourn, Bill Schwendler Jr., and Tom Attridge, all of Ecosystems; Vice President Bill Zarkowsky; and Bill Schwendler Sr., Vice Chairman of Board of Grumman Aerospace.

About the cover . . .

The Grumman Intruder plays an important air role for the Marines in South Vietnam. The cover photos, taken by Bruce Montgomery last month, show an A-6 getting a checkout by a ground crew of the 1st Marine Air Wing while the insert shows Grumman Field Service rep Charlie Sutton trading shop talk with Marine A-6 mechanics. More on the field reps on page 6.

GAA plans flight to Spain in fall

Oh, "The rain in Spain falls mainly in the plain. . . ."

They're saying, however, that it will refrain, at least later next fall when the GAA is planning an attractive package tour to the land of El Toro and dazzling senoritas.

The Grumman group is scheduled to leave from JFK on September 18, and return September 27. The landing will be at Malaga and headquarters will be in the Riviera Hotel, Torre Molinas. This is at the foot of Sierra del Mijas and directly on the Mediterranean . . . and, olé.

The cost of this charter tour will be only $295 apiece, and this will include round trip fare, transfers, tips and modified American Plan with two meals a day.

Grumman employees, parents, spouse, or dependent children, residing at the same address, are eligible for this attractive offer. Grumman retirees may also make the trip.

The big thing to remember right now —sign-up date for this tour will be Tuesday, February 17, at 5:30 p.m. in the Employment Office waiting room, Plant 28. The entire $295 fee must be paid at that time.

The GAA just recently completed reservations for a charter flight to London and Rome slated May 25 from JFK. This cost was $199, and while all reservations are filled at this time, applications for the waiting list are still being accepted in case of late cancellations.

All checks are to be made payable to the Bethpage Aircraft Tour Club.

Gabreski, Mead, Spiess named for new corporate assignments

It's a new assignment for Frank Gabreski, who has been director of Public Affairs - Aeronautics since joining Grumman two years ago. He has just been named Assistant to the President, reporting directly to Lew Evans.

Colonel Gabreski is the nation's top living air ace, with 27 years of military service behind him. His combined score of enemy aircraft destroyed during World War II and the Korean conflict stands at 37½. His 43 decorations include the Distinguished Service Medal and Cross, Silver Star with Oak Leaf Cluster, Distinguished Flying Cross with 12 Oak Leaf Clusters, Legion of Merit, Bronze Star Medal, Air Medal with four Oak Leaf Clusters, and six foreign decorations. He took pre-medical training at the University of Notre Dame, 1938-40, and then entered pilot training at Maxwell Air Force Base. Following graduation in 1941, he took further pilot training that year and in 1945, and was later graduated, with a BS in political science, from Columbia, from George Washington Management School, and from the Air War College at Maxwell AFB.

Gabreski's military service over 27 years included an assignment to the Polish AF as liaison officer flying British Spitfires, 1942-43, and as Squadron Operations officer with the 56th Fighter Group in England. He was shot down over Germany in 1944 and held prisoner from July 20 to April of '45. In the Korean conflict he served as deputy Wing Commander and Wing Commander in Korea. He was later Chief of Combat Operations at Norton AFB, and deputy Chief of Staff Operations, 9th Air Force, Shaw AFB. After two years commanding the 18th Tactical Fighter Wing on Okinawa, he served successively as Director of Secretariat for Commander in Chief, Pacific Air Force; Executive Officer of the Commander in Chief; and Inspector General for Pacific Air Forces —all at Hickam AFB, Hawaii. His assignment immediately before retiring from the military was as Commander, 52nd Fighter Wing, Suffolk AFB, 1964-67.

This inkling of Colonel Gabreski's background could go on and on. . . . He has accumulated over 5000 hours' flying time, including 4000 of jet time, and he's current in modern jet fighter aircraft. Is married to Catherine Cochran of Michigan, lives in Dix Hills, Melville, has nine children.

His office is in Plant 5. Telephone: 6150.

Property manager

Al Mead, permanent chairman of the Fixed Assets Committee and a member of the Grumman Facilities Committee, has been named by President Lew Evans to be director of Property Management. He will report to John O'Brien, director of Resources.

The new department has been formed to improve, and eventually to automate, the management of all property under Grumman Aerospace cognizance, "from Bethpage to Anchorage," and to permit efficient compliance with the government regulations that apply.

"Some of this information is on tape now, and we want to complete the data processing so that we will have a pedigree at our fingertips on every piece of equipment, on all real property, and on the material designated for cost-type prime contracts, among other things," Mead said. "If you include the applicable machinery, plant equipment, and the material, the land, and buildings, you are talking about a valuation of more than $500 million. This covers a whole lot of Navy, NASA, and Army equipment, and a great deal of leased property and many Grumman-owned buildings."

Mead looks to all departments and programs to monitor and report to his office the acquisition of, and changes affecting, Grumman and customer property that falls within their jurisdiction.

Mead came to Grumman in 1951 as head of Engineering Materials. He was assistant to Bill Hoffman, Vice President of Manufacturing, from 1959 until he went to Cambridge for a year on a Sloan Fellowship, 1961-62. After that he was on Senior Vice President George Titterton's staff, and after Titterton's retirement, on Vice President Bill Zarkowsky's staff. He lives in a 130-year-old house in East Setauket, a house that he has taken pleasure in restoring, including bringing the plumbing and electrical wiring up to date. He and his wife, Ottilie, have three sons and a daughter. Mead spends an evening a week as leader of a Christian Service Brigade that gives the 50 youngsters who attend a rounded athletic, religious, and craft activities program.

The Property Management office is in Plant 12, and Mead can be reached on Ext. 3508.

Many accomplishments

Newton E. (Newt) Spiess Jr. is the newly appointed director of the Grumman Product Development Department, reporting to Grant Hedrick, Vice President - Technical Operations. He is in Plant 5, on Ext. 2789.

"Versatile" is the word for Spiess. He holds commercial, instrument, and instructor pilot licenses, and 26 patents in his own name on control systems, electro-acoustic, and electro-mechanical devices. His degree from Johns Hopkins University in 1942 was in chemical engineering, and he is a member of the American Institute of Chemical Engineers. Before coming to Grumman in 1958 he was Engineering Research and Development manager for National Dairy Products Corporation.

Before assuming his duties in Product Development, Spiess spent 2½ years as manager of Systems Engineering, January 1967-May 1969, supervising space and weapon systems design and development, and before that he was deputy director, Technical A-6A Program. From the end of 1964 to the beginning of 1966 he was Engineering manager of the EA-6B Program. During his first six years at Grumman, beginning in 1958, he was project engineer on A-6A weapon systems.

Spiess' responsibilities in Product Development include management of the corporate independent Research and Development and the new bid and proposal efforts. Some groups in Product Development are small and work on preliminary investigation of new business opportunities, while a team of 1000 or more may be required for a full-blown competitive proposal on a new aircraft or space vehicle system. What the environment may be like in 10 years is one of the tantalizing forecasts studied by other department personnel in Product Development.

Spiess has done graduate work in mechanical engineering and electronics, and he is a member of the editorial board of the Journal of Tactical Warfare. He is married, has three children, and lives in Oakdale.

Frank Gabreski

Al Mead

Newt Spiess

CALENDAR of events

Notice of events for period Feb. 16 - Mar. 2 should reach Plane News by Mon., Feb. 2.

Amateur Radio Club: Wed., Feb. 18, 5 p.m., Plant 3 Cafeteria Conf. Rm. Bus. meeting. Emmett Goodman, Ext. 87121.

Amer. Inst. of Aero. & Astro.: Thurs., Feb. 18, 6 p.m., Four Seasons, Woodbury. Dinner mtg., spkr. John Swihart, Chief Engr., Boeing SST. Jeanne Smart, 595-3086.

Chess Club: Tuesdays, 5 p.m., Plant 3 Cafeteria. Tournament, games. C. Wilkie, Ext. 9941.

Coin Club: Wednesdays, 12:05-12:45, Plant 25 Vendor Conf. Rms. Irv Atkins, Ext. 1874.

Duplicate Bridge Club: Thursdays, 5:45 p.m., Plant 3 Cafeteria. Feb. 5, "Swiss Team" game (pre-registration of 4- or 5-man team req.) B. Holland, Ext. 86078.

Ex-Service Men's Club: 1st Mon. of mo., 6:30 p.m. (exec.), 7:30 (gen.) meeting, Plant 28 Auditorium. H. Dong, Ext. 7525.

Family Campers: Sun., Feb. 1, 5 p.m., Plant 18. Films, refresh. Phil Giacini, Ext. 57-247.

Fencing Club: Wednesdays & Fridays, 5 p.m., Plant 30 Cafeteria. Instructions & competition. Joe Campisi, Ext. 1134.

Male Chorus: Mondays, 5 p.m., Plant 2 Cafeteria. Bill Berkley, Ext. 87101.

Rod & Gun Club: Wednesday, Feb. 25, John's Oasis, Hazel St., Hicksville. W. Strittmatter, Ext. 1234.

Soc. Aero Mat'ls. & Proc. Engrs., Met. Chap.: Tues., Feb. 10, 5:30 p.m. (happy hr.), 6:30 (dinner), 7:30 spkr., King's Grant Motor Inn, LIE Exit 46. S. Dastin, GAC, on "Joint Designed Fbgls. Compos. Structs." C. Carlson, Ext. 2725.

Soc. Mfg. Engrs. (formerly ASTME): Mon., Feb. 9, 7:30 (coffee), 8:30 (meeting), Garden City Hotel. R. R. Richards, Num. Contr. Logic Systs. on "Numerical Contr. Systs." Mike Hirsch, Ext. 1012.

Stamp Club (Bethpage): Wed., Feb. 11, 5 p.m., Plant 30 Cafeteria. Stamp auction. Harold Haug, Ext. 3473.

Stamp Club (Calverton): Wed., Feb. 4, Conf. Rm., Plant 6. "Show & tell." Floyd Franklin, Ext. 384.

Toastmasters Club: Wednesdays, 6 p.m., Town & Country Diner, Syosset. Pub. speaking prac. Geo. Breen, Ext. 1651.

Flight Test group sets 'spin' meeting

The Society of Flight Test Engineers, L. I. Chapter is planning its February meeting on "Aircraft Spin Testing." Buy your tickets before February 9.

Speakers will be Chuck Sewell, considered one of the leading spin pilots in the country, who now "spins" for Grumman, and Ray Whipple, VFT's spin expert, who will augment Sewell's presentation with slides and movies. There will be a report on the latest status of the Chapter's projected national symposium, and final discussion of the revised L. I. Chapter by-laws. Following a "pay as you go" cocktail hour ending at 7 p.m. there will be a buffet, all this taking place at Villa Pace in Smithtown. Call Frank Higgins at Ext. 9292, Plant 5, or Dick Kenefick at Ext. 57-494, Plant 6.

Space post

Armand Affe has been named manager, Cost Reduction - Space Programs, reporting to Joseph G. Stalk Jr., director of Finance - Space Programs. Affe is now in Plant 25, Ext. 7848.

Vietnam assignment. **Ken Gruebel (L) maps out plans with Ray Mason, George Steinhoff, and Bruce Montgomery before leaving for Vietnam to film combat operations of 1st Marine Air Wing.**

Four on Vietnam assignment to film Marines' air operations

Ken Gruebel remembers the time when a field trip meant a five-minute car ride from Plant 5 to a warehouse two miles away. That was nearly 20 years ago.

Last Saturday he went on a different kind of a field trip. Ken, who's assistant manager of Presentations Services, left Kennedy International with Bruce Montgomery and George Steinhoff of Presentation Services and Ray Mason of Aerolog, Inc., on a Northwest Orient Airline jet bound for DaNang, Vietnam, with stopovers in San Francisco, Tokyo, and Saigon. The four, accompanied by hundreds of pounds of assorted motion-picture equipment, were headed for a film date 10,000 miles away with the 1st Marine Air Wing.

Gruebel expects to make the return trip, which takes about 28 hours' flying time, within a couple of weeks, but Montgomery, Steinhoff, and Mason won't come home again until they have what they went out after—a story on the close air support provided to ground troops by the 1st Marine Air Wing, with special emphasis on the role played by the Grumman A-6A Intruder.

They expect to shoot about two miles of film while on location in Vietnam, but after editing, the finished color and sound motion picture is expected to run about a half hour.

What the four hope they bring home with them is a prize-winning film, one that equals two earlier ones produced by Grumman, "Ready on Arrival," and "Goblin on the Doorstep," both winners of industrial film awards.

Top of the world

Some lucky kids at the Waverly Avenue grammar school in Holtsville took a trip to the top of the world last Tuesday afternoon and got back the same day. Their tour director was Fred Annette of Presentations Services, Plant 5, who has been to that area a couple of times himself.

Last fall Fred journeyed to Alaska to photograph various geographical features of the northland for the Earth Resources group in Product Development. He brought back numerous color shots covering his trek from Fairbanks to the "top of the world" at Point Barrow, and he'll show about 150 of them to the grammar school children as a slide presentation.

Fred has already promised his friend Bob Giambattista, who is principal of the Waverly Avenue school, that he'll accompany two classes to Gettysburg next spring to help the youngsters photograph, and eventually recreate at their own school, some of the historic scenes in the area.

Quite a guy!

F-14 associate team members smooth route to production

If the management approach to the design, tooling, and fabrication of the F-14 isn't new to Grumman, there's enough of a deviation from "the old way" of doing things to make a marked difference.

"Basically, part of what we're doing is managing major subcontracts efforts, and I do mean **major**," says Frank Petro, director of the F-14 Material organization. "We've set up a system of associate team members working under the direction of our Associate Contract Manager Joe Harrison, and they're working so closely with us it's almost as though they're Grummanites."

Each corporate team member, however, is on his own in the sense that he has full responsibility for his portion of the F-14 job. Thus, the three major associates—Rohr, Kaman, and Republic Aviation Division of Fairchild-Hiller—work in their own plant areas, autonomously, **but** interfacing with Grumman.

"In other words," says Petro, "each associate has a representative here and we have people resident in their areas. Since all of these people are technically expert, most of the problems that come up in the normal course of aircraft fabrication can be smoothed out on the spot. That saves time and money **and** assures quality."

The associates were in at the beginning, **before** Grumman won the F-14 contract, and were instrumental in the win. The tie, then, is a deep and close one. Their familiarity with the how and why of F-14 is an invaluable asset.

The associates were chosen because of their knowledge and expertise in technical areas essential to the development of F-14: Rohr, to build the aft engine nacelle in addition to the inlet and glove assembly; Kaman, to fabricate the wing control surfaces; and Fairchild-Hiller, to construct the aft center mid fuselage—which joins the nacelle to make the aft module.

Since each of the associates has an action center room similar to the one in Plant 15, each knows the exact status of his portion of the F-14 program simply by reading the data on the sliding panels. These boards are updated daily.

It is here, in the action centers, that the work flow—from material procurement to tool design to production—is continually monitored. It's a bit like living in a glass house: everybody knows, **and has to know**, what's going on. Visibility, that's the top-rank concern, for Grumman, the associates, the subcontractors, and, most of all, the Navy.

"Our customer can and does keep close track of our progress," Petro says, "and we like it that way. We're all out in the open, just where we should be."

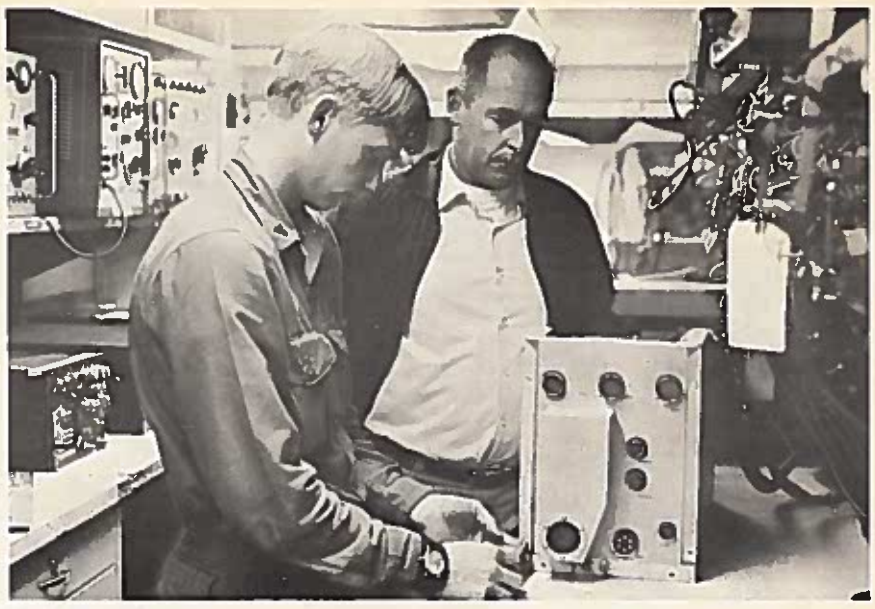
To build a better aircraft. **In the Materials Action Center in Plant 15, F-14 Material Manager Frank Petro (second from right) conducts status meeting with (L to R) staff assistants Ed Sherman and Al Bainton, Associate Contracts Manager Joe Harrison, and Assistant Associate Contracts Manager (Fairchild-Hiller) Tony Stallone.**

Announce planned cutback in work force

The Company announced earlier this week that the engineering work force will be reduced by 1200 people by the end of the year. About a third of that number is expected to be accounted for by normal attrition, 400 more will be employees of engineering firms on temporary assignment here, and there will be a phased reduction of the other 400 throughout the year. There will also be a reduction of approximately 100 people in manufacturing areas.

The stretchout of the Lunar Module Program, cutbacks in the F-111 Program, and the completion of some engineering design work on the F-14 were cited as primary reasons for the planned reduction, said Vice President Tom Rozzi, director of Personnel Services.

Rozzi noted that this present reduction in work force, and the earlier one in 1969, were the result of continued cutbacks in spending for defense and space.



Tech talk. Grumman rep Gerry Comstock stands by as Marine tech T. J. Stettler runs a component test in semi-automatic checkout equipment (SACE) van.

Duty in DaNang is full-time job for Field Service representatives

There are some things you don't forget about a tour of duty in DaNang. There's the rain, and the mud, and the mosquitoes, and the loneliness. A big night out is a couple of beers at the officers club followed by a trip to the movies.

For Grumman Field Service representatives attached to the 1st Marine Air Wing at DaNang, the sand bags protecting hangars, barracks, and shelters are a constant reminder that the Viet Cong is never far away. "Charlie" likes to remind them of that once in a while with a rocket or mortar attack. These attacks are seldom successful, but they do tend to keep the reps alert.

"It's been pretty much the same story since 1962 when Grumman first sent Field Service men to Vietnam. So far, 18 representatives have signed up for six-month tours in Vietnam, with seven of them staying on for more than a year while providing technical assistance to Army and Marine units that fly Mohawks and Intruders. John Mako, the first rep to go to Vietnam, put in a total of three years with the Army there before he took a reassignment to other duty.

Photographs on this page were taken by Bruce Montgomery of Presentations Services during a trip to DaNang late last year with Ken Gruebel. Both of these men noticed one thing during their stay: Field Service reps in Vietnam are never really off duty. They are on call all of the time. They don't seem to mind it—that's why they're there, to help when needed.

Here's the complete roster of Grumman men on Vietnam assignments:

Neil Lockwood—Navy; Charlie Caputo, Bob Welsch, Lou Seideman—Army; Steve Foster, Ed Stepnoski, Gerry Comstock, Charlie Sutton, Dick Dietzel, Dick Jokinen, Ted Kelley—Marines.

They're in Vietnam—where the livin' ain't easy.

Creature comfort. Steve Foster finds that finishing off the day with a shower can be refreshing, even though there's a hike involved in getting to the source. In the background can be seen sand bags that are positioned on a barracks roof. They help hold the roof in place during typhoons.

Navy duty. Neil Lockwood (C) assists with adjustment to propeller drive on Flagstaff, the hydrofoil boat on patrol duty near DaNang.

Comparing notes. Charlie Sutton (R) and Dick Jokinen chat while Marine electronic tech prepares to install air conditioning unit in EA-6A.

in the SLIPSTREAM

Fiberglass Flock

by Jim McDonald

Our sympathies to Dominic Arpaia on the loss of his brother. . . . Everyone wishing for the speedy return and recovery of Joe Corrigan, Nick Maxim, and Chips Balch. Al Spencer and Dottie celebrated their 25th wedding anniversary, and George Burr celebrated 25 years with the Company. . . . Luke Grosso is wearing a woolen Navy hat to control his crew cut so he can comb it again. . . . Paul Pekar and his wife have a new arrival in the family. . . . Frank Schroeder has been seen browsing near jewelry stores. . . . Our new security guard, Paul Carlucci, paid us a welcome visit during the holidays. . . . George Elliott's reading habits seem to have changed for the better. . . . Frank Newsham enjoyed a pre-holiday cruise in Caribbean waters. . . . Tim Cook's library very extensive and well read. . . . Charlie Robb, the epitome of mod splendor, paid us a visit. . . . Where is John Shlonski? . . . Willie Creed will eat any near-by lunch. Ask Tony Rollero.

Houston Calling

by Angelo LaCognata

Retract on Marvin Rosenberg and his trip to Japan. The ship left, Marv stayed. (Did he miss the boat!). . . . Harry and Helen Richdale in their Aire-stream Traveler spent the holidays near Matamoros, Mexico. . . . Welcome back to Hank James and his wife, Gale. . . . Warren and Arlene Butler arrived in town and the population of Clear Lake has doubled. . . . Sorry to see Ann and Stan Sawicki leave. Loads of luck at your new endeavors, Stan. . . . Charlie Schwartz out of the hospital. . . . New parent department: Bob and Carol Taylor, a son, Mark Thomas; and Hank and Gale James, a son, Henry A. IV. . . . The shop helped Jim Lundstrum celebrate his eighth anniversary of when he shot a hole-in-one at the Bethpage Black Course. (Do any of you old-timers remember this?). . . . Glad to see Art Prince back after his serious accident. . . . Walt "Killer" Kowalski back from his short trip to New York where he showed the unbelievers his Texas cashmere coat. (Note: The "Killer" comes from swatting flies in Texas). . . . Al and Flo Bruns glad to be back after their brief stay in cold country. . . . Welcome to some new girls in 1740: Susan Heitmeyer in QC and Sandy McCrory with Howie Holland and Stan Harris. . . . Back briefly at MSC are Glenn Kingsley, Scott MacLeod, and Charles Parente with his roving microphone. (The last time Charles was here, it rained so hard Noah's ark would have sunk). . . . Vinny and Loretta DeLilla returned from their emergency trip to New York where they visited Vinny's ill mother. (His mom and dad recently celebrated their 65th wedding anniversary). . . . We welcome Andy Baroody, his family, and all the men down from New York.

SCATterings

by Dottie Darist

We welcome Lorraine Miller along with her group, Lunar Rover. . . . Good luck to Sue Fuchs, who left us to go to Plant 41, and to Shirley Stiles, who also left. . . . Paul Presti is sporting a new hair style—on his chin. . . . Gary Drakeford had a run-in with the doorknob and lost. . . . Belated congratulations to Julie Waddell, a girl, and to Jane Paucuillo, a boy. Rick Canter is the proud father of a girl, and Irv Ballou, a son. . . . Tom Ramberg, Mike Marcari, and Joe Harding have been making the scene quite frequently on the ski slopes this winter. . . . Belated good wishes to Pat Durante of Manufacturing on her engagement; also to Ron Braun, who got engaged. . . . Ken Sjogren disregarded the 'advice" of friends and was married. . . . Watch out for Sandy Ritz. She will be swinging into action for the Grumman varsity bowling team this month. . . . JoAnn Pino just returned from one of her many trips, this time from South America. . . . A speedy recovery to Diane Strub, who was in a car accident. . . . Charlie Doyle just put his new policy into effect; his house caught fire. . . . I would like to thank the LM-8 Test Team for the Christmas gift.

View from Mugu

by Roger Tully

Highlight of the golf season so far was Earl Madden's 50-yard approach shot which dropped in for an eagle 2 at Ventura. . . . Mrs. Tony Benjes, wife of our base manager, held a "get acquainted" tea at their home recently for all the Grumman wives. . . . Our first Point Mugu baby: Linda Andrea, born to Mr. & Mrs. Jim Ashman on New Year's Eve. . . . A speedy recovery to Joe Becchina's wife, Betty, who underwent surgery at Los Robles Hospital in Thousand Oaks. . . . George Gallagher didn't notice that the car thieves not only got away with his battery, but his base sticker as well. . . . Thanks to Mary Tartas for her work in making our first Christmas party a huge success. . . . Proud of my son Roger Jr., "running" off with the Coaches' Award as the most outstanding runner of the Cross Country track team this year. . . . Many Grummanites learned the hard way that they were part of the record crowds at Disneyland over the holidays. . . . All our "students" are back from school at Hughes. . . . A major milestone was achieved; a new 55-cup coffee pot was installed. A sure sign of growth. . . . Welcome to all our newcomers, too numerous to list, but welcome aboard anyway. . . . The rainy season has arrived, holding outdoor activities to a minimum. . . . Ray Yerden searching the high country for enough snow to ski on. Where did it all go, Ray? . . . Nick Mitrofanis, acting every bit of the perfect host, provided a lot of Grummanites with a Happy New Year at Nick's Club.

Plant 41 & Company

by Ronnie Barrows

At the OAO Christmas party, held atop the Bethpage Bowling Alley, Bob Barth was a big hit with the addition to his head. Jane and Jack Ericksen and Eleanor and Bill Reid kept the entertainment flowing with several fancy dances. Steve Orehosky had his thing with the telephone that evening. All in all the evening was very nice. . . . We all would like to thank Bob Barth for the holiday pictures he did for the OAO Project. . . . Grumman International celebrated their Christmas party with a lovely evening at the Gateaway Steak House in Huntington. . . . It's a girl for Sid and Kandy Gittleman; Eryn Paige was the nicest holiday present they could have received. . . . Barbara and Tom Miller now qualify for stand-ins on the My Three Sons Show with the birth of their third son, Donald Raymond. . . . It's a girl number two, Arlene Jane, for Pat and Dick Pearson. . . . Good luck to Ed Schwabe and Sid Gittleman, who left. . . . Any news? Call Ronnie, Ext. 9301.

F-111-057

by Albert Reph

Nancy Petri has a new job typing manuscripts for her doctor. . . . Bob Myles is not saying much except, "I've got a secret." . . . Andy Hejnas Jr. has just won a New York State Regents Scholarship, and Paul Joseph Stencel, son of Mr. & Mrs. Jerry Stencel, celebrated his first birthday. . . . Good luck to Bob Rieger in the Army (he says he wants to join the Green Berets). . . . A welcome to Janis Santina, replacement for Ruth Robinson, and a belated welcome to Doris DeLisi, replacing Edith Murray, now in Plant 30. . . . Warm wishes to Marilyn and Jean, both suffering severely. . . . That's all for now; see you soon.

Hawk Eyes

by Sharon Grosser

New arrivals: a boy for Dave Baker and a daughter for Terry Custer. . . . Best of luck to Jane Ruiz, Sharon Gallagher, and Anita Sollazzo in their new surroundings. . . . E-2 Program welcomes Margaret Venn, Engineering secretary. . . . Get-well wishes to Emma Gumbs' husband, Sonny. . . . If you are able to remember the night of December 18 and all the fun at the Holiday Manor, then you were one of the lucky people who attended the E-2 Christmas party. It featured such highlights as: the singing debut of Mandie Mandala, the disappearance of Jean Desko's shoes, the outstanding picture posing by Julie Cohen, not to mention all the glamorous secretaries. All we can do is wait until next year and try to beat the great time we had. . . . Bob Sabatino has the "best dressed" award issued by the VDT committee. . . . Your writer, having received an "empty" ball and chain in the mail and having promptly submitted an insurance claim for the male that got lost in transit, thanks Jean and Sandy for the anonymous gift. . . . Doctor Barnard's office hours for Band-Aid requests are unlimited (girls only). . . . Information for column? Call Sharon, Ext. 9829.

Tool Fabri-Scoops

by Corinne Barone

A new year with a clean slate, so here goes: Everyone looks rested and a few pounds heavier. . . . Hear tell Artie Conrad switching to one-ply tissue in the near future. . . . Good to see Frank Gengenbacker back from his illness. . . . Ed Cooley back from three weeks in Florida. . . . Looks like we're in for some fish stories from Bob Moorehead; in fact we're in for some fish. . . . Plant 2 Tool Fab taking collection to buy Bill Skinner a ticket to Alaska so he can use his snowblower. We're tired of hearing him wish for snow—and getting it! . . . Bill Fiorenza fell asleep in his chair, and his three-year-old daughterm gave him a slight haircut while he slept. It'll grow back, Bill. . . . John Dombkowski and Carl Gianino look as if they had enjoyed the holidays. Back on your diets, fellas. . . . John Lacina all shook up. He won first prize in the L.I. Fund Drive. Enjoy that color TV. . . . Warm welcome aboard to our new nurse Barbara in Plant 2 South First Aid. . . . To John Czugh: How many "shots" did it take to land these fish in your office? . . . That's a sharp mustache you're wearing, Joe Mystkowski. . . . Ed Jaworski escaping our horrible weather vacationing in Florida. Frank Coburn (retired) returned to put on his famous act of "killing the bull" for the boys in 06209 at their Christmas party. . . . Our Buffeteria line keeps getting longer and prettier all the time. . . . Bud Hawkins recuperating from eye operation. . . . Al Helrigel all set to move into his beautiful new house. . . . Artie Conchilek's wife got her money's worth on a trip to Ithaca by plane to babysit for her grandsons. Didn't hear the stewardess and remained on the plane, wound up in Binghamton, bussed back to Ithaca for free. Next job in California—maybe will get to Hawaii? . . . Harry Bayles presented by his fellow workers with a wooden paddle, better known as a stirrer. This in honor of being the oldest stirrer in the business.

OBITUARIES

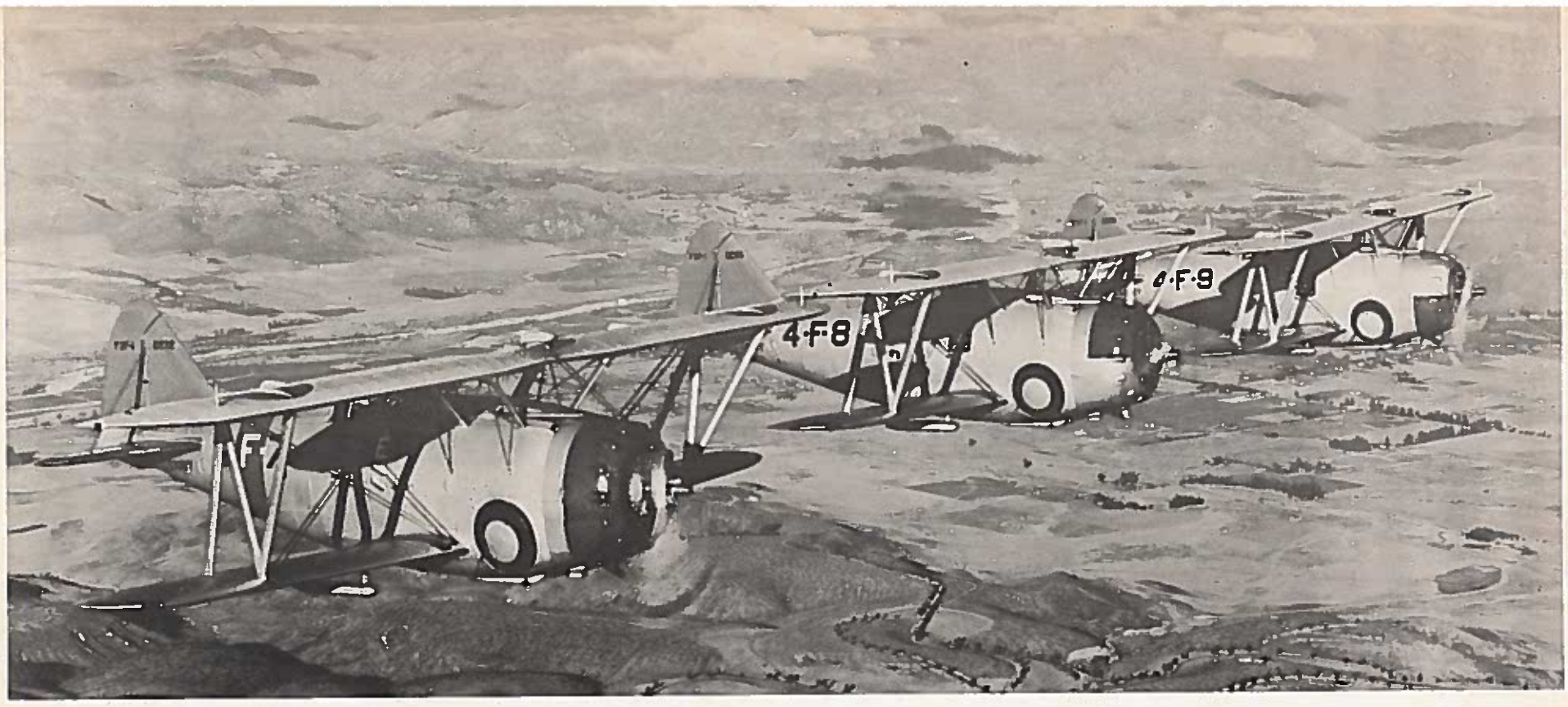
Plane News has received word that death has come to the Grumman personnel listed below. We extend sincere sympathy to relatives and friends.

CHARLES E. SNUGG of Product Support Business Management, Plant 34, died January 12 at the age of 58. He had been with the Company for nine years. His home was at 42 Wyoming Dr., Huntington Station.

GENEVIEVE M. MILLER of Drafting Services, Plant 4, died January 18. She was 55 and had been with the Company since 1943. She lived at 700 Merrick Rd., Baldwin.

CHARLES J. OLIVER of Facilities Maintenance, Plant 36, died January 19 at the age of 48. He had been with Grumman three years. His home was at 2921 Carlyle Rd., Wantagh.

HERMAN F. WAGNER died January 24 at the age of 49. He had been with Grumman since 1965 and had worked in Industrial Engineering, Plant 3. He lived at 267 Haight Ave., Massapequa.



'We were all young — and you know, you don't think about things as seriously as you do when you get older'

They were six young men 40 years ago: Roy Grumman, Jake Swirbul, Bill Schwendler, Ed Poor, Joe Stamm—all from Loening Aeronautical Engineering Corporation— and Clint Towl, who joined them from a Wall Street brokerage firm. A cold Long Island winter lay ahead. The stock market crash of October 29, 1929, had wiped out fortunes and savings throughout the nation.

To William T. (Bill) Schwendler, Plane News put some questions the other day and learned from him the very inside story of how the first years progressed for these young and energetic founders of the Grumman companies.

Question: How did you have the courage to open a business in January of 1930? Didn't you consider it a risky move?

WTS: Well, you see Mr. Grumman, Mr. Swirbul, and I worked at the Loening Company. Mr. Grumman had been there the longest. I think Mr. Swirbul and I had been there about six years. Now the Loening Company was bought out by Keystone Aircraft, and they were going to close the plant in New York, and they offered us positions down in Bristol, Pa. We each of us individually took trips down to Bristol and came back saying we were never going to work there.

With some financial support from Mr. Grover Loening and a few people who became interested in buying preferred stock, we just went ahead. The Loening business was sold. We were all young—and you know you don't think about things as seriously as you do when you get older. We knew we could always get jobs (all three of us had had offers down there, at more money), but we knew we didn't want anything to do with Bristol.

How we managed to locate in Baldwin was through Luddy Slechta, who also worked for Loening—he was a cabinet maker who had at one time worked for the Steinway Piano people, and had also worked for Cox Klemin. He said, "Why don't you go to the old Cox Klemin plant?" (I have some old pictures of it right here). "You might be able to get it cheap," he said, "and it's right beside the railroad"—and he gave me these pictures. I've had them since 1930. Later, they put automobile showroom windows in the front.

Well, we sent someone—I think Joe Stamm—out to look at it. It was quite a mess. But it did seem pretty good. I remember showing the plans to Roy and Jake, and their saying, "It depends on what we can rent it for." So the rent was cheap, but we hired a lawyer, and he made the lease about 10 pages thick.

When we moved in, the place had big plate glass windows down to the ground. Here we sat, right in the show window, you know, and the kids would come along and laugh at us and pound on the glass. We finally did the cheapest thing we could—we got some Bon Ami and coated the whole inside of the glass so they couldn't see us.

But then we felt we'd made enough money the first year and we did put smaller windows in. We also graduated from one telephone to one telephone with an extension for Roy and Jake, and then later we had a switchboard. And against this wall was a timeclock, and all of us punched in and out, President right on down. And then the Engineering Department—that was me—ran from here to here (he indicated on one of the old photos), a vast expanse, since it was intended to be an automobile showroom.

Question: Did you start principally as repairers of amphibian planes?

WTS: No. While I was at Loening's I was working on the design of an amphibian float gear for Navy observation planes, and after we moved we did come up

Stacking 'em up. **Grumman Wildcats, first in a long line of famous 'cats,' are lined up during assembly operations at Plant 1 in the early '40s. Upper left, Navy F3Fs fly high over the foothills of Southern California.**

ith a proposal. Mr. Grumman and I took a model the amphibious gear down to the Navy Department, id I remember, after we had shown our model to the chnical people, somebody said, "I want to show this Cdr. Kelly Turner." (A commander in those days as a very high rank. There were only about one or vo admirals and four or five captains.) And Com-ander Turner looked at this thing, and it had land-ig gear that went up, and he was in back of us and e pointed to it and said, "I want that!"—that's all he id, "I want that. Thank you, gentlemen," and out e went. And we got the contract. That's how simple it as in those days.

Our lawyer recommended against signing the first

Of course by then we had moved to Valley Stream because we needed an airport, and we leased a vacant Navy hangar with a little wooden shack next door to where the office and Engineering were housed. Each room had a pot-bellied stove. The shop was a separate building, and if you had to go to the shop, you had to go outdoors. Later we moved to Farmingdale, and, in 1937, to Bethpage.

Question: Did the Company have any strong "in" with the Navy at the time?

WTS: No, not really. I think Roy knew Cdr. W. W. Webster, who was head of design, because Roy had been in the Navy when he took flight training at Pensacola—but it wasn't any more than an acquaintance.

'We sat right in the show window and the kids would come along and laugh at us and pound on the glass'

avy contract because the statement was made that case of any disagreement on the terms of the con-act the Secretary of the Navy should make the final ecision, and he said, "That's no way to sign a con-act!"—but we signed it anyway.

All these airplanes — the Loening amphibians— ere basically wood structure with metal covering. o we did need wood workers, like Luddy, who was a abinet maker but got to be a metal worker and could o almost anything. But the first amphibian float we uilt was all metal, and everything that we designed nd built was aluminum.

The only other float the Navy had at the time was terribly heavy thing, and we built our float with ie landing gear on it for what the standard Navy loat weighed **without** a landing gear. (The floats ere designed more for the cruiser type where they atapulted the planes and landed in the water, but ien ours had this advantage now: they could land t any field along the coast.)

But we did repair airplanes too. We repaired Loen-ig airplanes and while Roy and I (and we hired nother engineer) were working on the design of the loat, the shop of course was busy, and we finally got round to where we started building.

Question: After the floats, did you start on the F-1?

WTS: Yes. They said, "Since you've got such a ice retractable landing gear, why don't you put it in fighter?" And we submitted a proposal and actually ade money on that experimental contract for two irplanes. A little over $90,000 for the two, as I re-all. **Fixed price!**

Question: What are your thoughts on reaching a 40th anniversary?

WTS: Well, when we started I never realized that we'd be in business as long as this. In fact, it's hard to believe that it is 40 years, but when you think back, it is a long time—a lot of water over the dam and under the bridge. I've been so attached to this place, and worked here so steadily all my life, I can hardly visualize **not** being here . . .

Question: How does the future look to you?

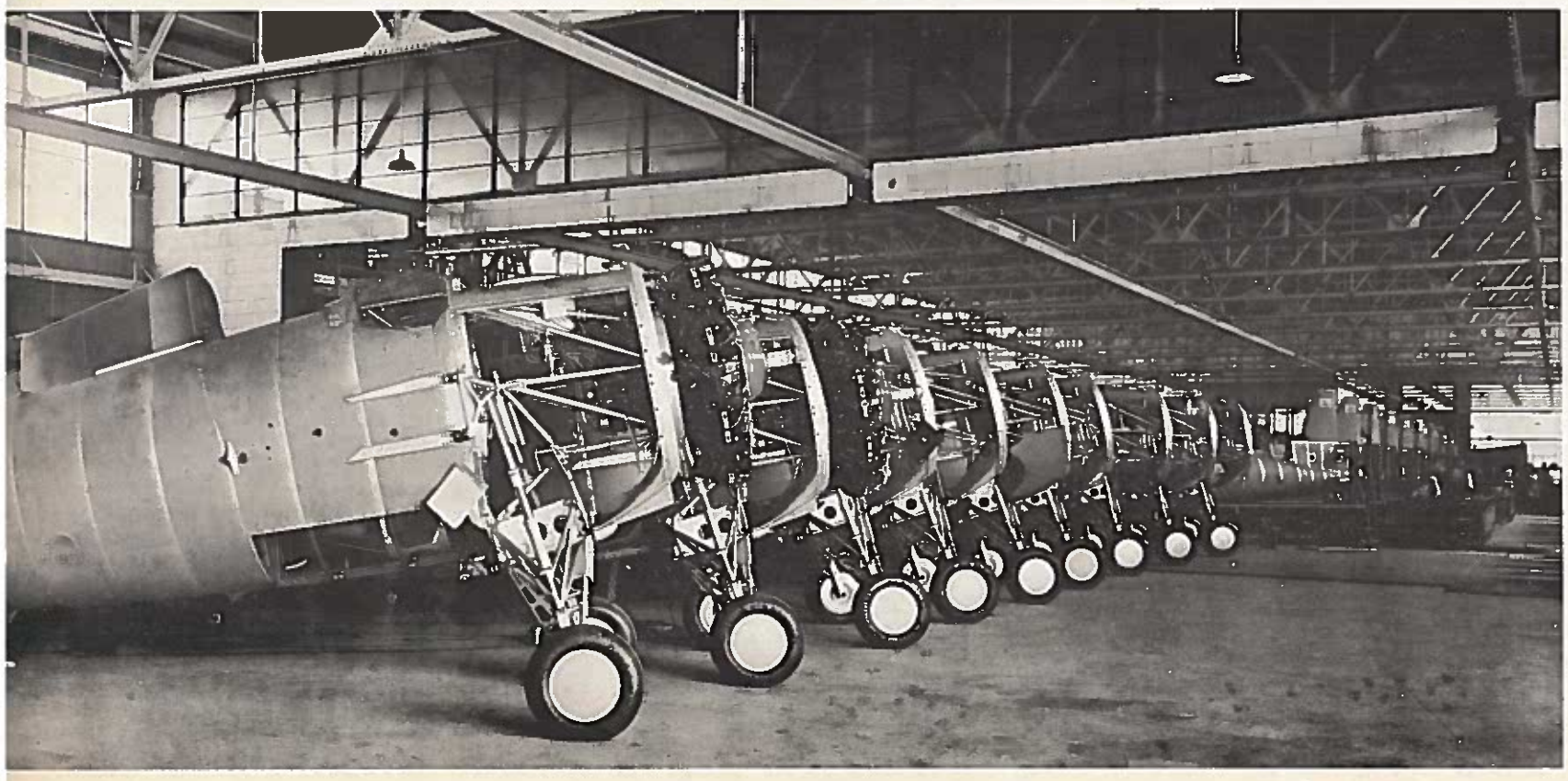
WTS: Our F-14 is a real advanced fighter and I think this will keep us in business for many years to come. I'm sure it will. But I think the volume in military work just naturally will be reduced. So we've got to look into other areas of business, and we are looking into many of them. We have to determine which of these are going to be profitable. I think the Gulfstream II, when business comes back, will stay in production for many, many years. It's a very fine performing machine and it is the business jet.

But you know we're looking into earth resources, we are continuing our efforts in the space field, vertical take-off . . . Earth resources is a large area, and there's the world-wide problem of pollution, which we consider part of our ecological systems studies.

We're making studies of STOL airplanes, STOL ports, high-speed ground transportation. . . . All of these are not necessarily going to pay off but we've got to look at them all.

And so I am very hopeful about the future. I'm biased of course, but . . . yes . . . I think we've got a real fine bunch of young fellows taking over here, and I like the way they're going about it.

Bill Schwendler's career parallels the forward march of Grumman. For 20 years he was Chief Engineer of the Company (1930-50), and then he was successively a Director, 1939 on; Vice President, 1940-46; Executive Vice President, 1946-56; Senior Vice President, 1956-60. He is now Chairman of the Executive Committee and Director of Grumman Corporation, Director and Vice Chairman of the Board of Grumman Aerospace Corporation, and Director of three other Grumman subsidiaries: Grumman Allied, Grumman Data Systems, and Grumman International.



in the SLIPSTREAM

Lunar Park

by Al Polcek & Tiny Jendrezejewski

Lots of laughs, good food, and dancing highlighted a gala night at the QC Christmas party. A real pleasure meeting the wives of our guys. . . . Yours truly a papa again with a beautiful girl. . . . Jerry Davis had an old-fashioned Christmas with lots of snow. . . . Mike Valenti and Charley Hess are on diets again, and these are diet 400 and 396 respectively. . . . I hear the chief is opening a K-9 training school. . . . The Lukszas have a beautiful new daughter. . . . Can you believe Rudy Dunkley's bush hat? . . . Was that Pancho Villa? No, just Charley Daniel and his beard. . . . "Camels, Camels, Camels" is all you hear Charley Freeley say. . . . John Cuccia believes mini-smocks are here to stay. . . . Methinks Ray Doskocz should star on "Laugh-In." . . . Dom Giannino loves to drive in the snow. . . . George Collins received a space watch for Christmas; the only thing wrong is, he can't tell time on it. . . . Jerry Paul is becoming a Commander Whitehead, curiously refreshing. . . . With all the up-to-date fashions floating around the department, we're going to be called the Mod Squad pretty soon. Can you believe Bernie Doute's shirt? . . . How many times did Mike go up for seconds at the party? Mail your answer to me. Winner gets to take Mike Valenti and Charles Hess home for two weeks.

Plant 12 Hot Shots

by Frank Mitchell

Short report this time. Leo Dresse is in the hospital following a heart attack, and Frank Coppiello fell. Hope you get well very soon, men. . . . Good luck to John McQueeney on the purchase of a new house. . . . We would like to wish everybody a happy and prosperous New Year.

On the Beam

by Jack Trapani

Since Joe LoCicero made the cover page of American Machinist magazine we need an appointment just to say good morning. . . . Many thanks to Mike Napolitano for the tasty lasagna spread he put out for the department for Christmas. Harry Schaal did his share to minimize the leftovers. . . . Nat Milani, congratulations on reaching the quarter century mark at Grumman. . . . Table tennis competition has been a little sharper since Norm Bolton and Chet Senig teamed up. Watch out for George Boyle, you guys, he just set up a Ping Pong table in his basement. . . . We made our first series of Electron Beam welds for aircraft one (F-14) and everyone concerned is happy about meeting the recovery schedule. . . . Frank Pelkowski's son, Mike, at the age of 2½ has gone on a plaster-board diet. . . . The construction pertaining to the Electron Beam welding and related facilities are beginning to shape up nicely.

Hydraulic Leaks

by El Gunther

Steve Kish transferred to Plant 1. Good luck, Steve. . . . Our sympathy to Ray "Chief" Scudder on the death of his sister. . . . El "Sandbagger" Gunther hit a 242 on the bowling lanes. . . . Vin McAvoy hit a 221 game and a series of 560 to pace the Black League. . . . Harry Hicks is our expert on getting his car started in the cold weather. . . . Bill Merrick back on the job with us again. Good to have you well again. . . . Anyone having information for this column, call El Gunther, Ext. 4544.

Fire One

by Vince Marconi

Sid Goetz wanted heap big snow; Goetz surrounded by snow! After this he may want Vermont no mo! . . . The guys and gals of Plant 1 Cafeteria are doing a beautiful job with Bob at the helm. . . . Machining Producibility, Section 633, quotes, "Forging Dept. has consumed two and one half jars of Brioschi and has lost count on the bottles of Empirin used." There are seven heavies on a diet and total aggregated weight loss by early January was 45 pounds. . . . Marlin Munk, Repro, has just become a grandmother for the second time. . . . Who were the three Grummanites who mooned the world from the Austrian Alps? Man, what a blast. . . . Jack Fass, DQA, was glad to have his son home on leave. . . . Our deepest sympathies go with Vince Padden on the loss of his mother. . . . Jill Spindle engaged to Steve DeMay. Both are from Structures. . . . Nice to see John Liconte and Craig Wood in Scheduling, and a welcome to Frank Herman in DQA. . . . Jim DeRancy caught a large 65-pound bear and called him "Teddy." . . . I wonder if he dug it out of the ground. . . . Where is Joe Zureck, Cost Estimating, hiding the "Monk"? . . . The new dynamic duo from DQA and from Key Punch, presenting that ever popular, not Mae Bush, but "Scarlett O'Hara." . . . Repro news: Pat Plodgett now Mrs. Pat Schlep; James MacKechnie recently married. . . . Everyone is happy about Daisy Rusch and Rose Lo Cicco, whose sons have just received discharges from the service. Nice to see Viola Santamarie back from the hospital, and doing fine. . . . Welcome to Repro, Helen Dunn, formerly of Plant 25. . . . A standing ovation to the following on their 25th year; Joe Zureck (hope he is feeling better), Bud Schnell, and Buster Mattson. Dinner was served. Joe Kolosky, Personnel Services, marked his 29th year with Grumman. . . . Good luck to Ed Unger and to Artie Molnar, Repro, both transferred to Plant 25 as supervisor and leadman, respectively. . . . Hank Dreyer returned from Florida with a beautiful tan. . . . Welcome to the Engineering Records Counter, Phillistine James, formerly Plant 25. . . . Bill Groeschel, DQA, is back with us after a long illness, and we hope Charlotte Bonner will be joining us soon.

Peconic Report

by Vincent Annabel

If I devoted this whole column to Joe Schauenstein's retirement party, I would still be selling it short. To say that everyone had a good time is an understatement. Our thanks to George Bridge and George Styles who worked so hard to make it a success. Bill Hamilton and Bill Tuthill got all the laughs. Tom Meehan beat Larry Glidden in the Muscle Contest by a wrinkle. Who cut Joe's suspenders when everyone was taking his picture? Frank Mallet sang to the accompaniment of Sam Mattson at the piano. Paul Malguarnera told his pet joke. The party hit a high spot with Joe singing his favorite "Dutchman" song. . . . Welcome back, Fred Piercey and Warren Kuhlmey. . . . Warren Ketchum was seen doing the Snow Dance. . . . Tom Meehan and his bride spent their second honeymoon in Bermuda riding a scooter. . . . Our sympathy to Gene Breen on the loss of his mother. . . . Where did Mike Morouney get the new coat? . . . Jim O'Sullivan was voted "Fireman of the Year."

Here & There in 5

by Elaine Janas and Dorothy Ibert

Farewell to Peggy Wood (Typing Pool), who has left to retire in Maine. . . . Mr. & Mrs. Nick Dannenhorffer announced the birth of a son. Can't think of two nicer ways to end a year and to start a year. Our Plant 5 Engineering floor cashier, Jean Bloxson, was presented with her first grandson December 31, and Mr. & Mrs. Robert Schiffer were proud to announce the arrival of their daughter, Alissa Merri, on New Year's Day. . . . Sue Nelson, formerly of Plant 5, announces her engagement to Roger Peretti. They'll be married August 8, and Kathy Ryan of Advanced Aircraft Systems will be one of the bridesmaids. . . . Mary Anne Prosen (Planning) and Annette DeLucca both plan to be married on July 19. Their receptions will be at the same place. . . . Walter Baldwin is counting the days to when his son will return from Vietnam, in February. . . . Best wishes to Chris Ditto, who recently got engaged and will be married May 9. . . . Welcome back to Sandy Rahilly and to Irene Foster, who were both out with pneumonia, Jay Mulé has a new job in Advanced Aircraft Systems. . . . Congratulations to a great guy, Jim Wallace, on completing 40 years with Grumman and 37 years of marriage. . . . Legal Department welcomes Irene Krieg. . . . Tillie Zipper is enjoying a vacation in Florida. . . . Stew Fleischer has left to join Uncle Sam. . . . Bill Schwendler Jr. has a different look these days. I think they call it "Aspenglow." . . . Elaine Janas is glad of changing times. A while back she put in a P/S suggestion that a worksheet be attached to expense reports, which was turned down, and then, alas, she discovered on January 21 that Grumman had put it into effect last June. . . . Joe Cerruto and Bob Schiffer were in the first class of graduates for the graduates for the Business Systems Professional Development Program. . . . Nurse Jo Ann Katsamus is missed by all in Plant 5. We know your new plant will love you just as much as we did.

Holiday notes

It's birthday month again, and Plane News' printers observe both Lincoln's and Washington's. So the paper will be delayed. Distribution will take place on Monday, February 16, and Monday, March 2.

Washington's Birthday falls this year on Sunday. It will therefore be observed by Grumman on Monday, February 23. Plants will be closed on that day and all persons actively employed will be paid for that day.

Darts from Machined Parts

by Kay Matthews

Welcome aboard to Jerry McGee and Barney Segal. . . . Condolences to John Tarzanin on the loss of his grandmother. . . . Two down and one to go for Evan Yearwood; son Bruce was married during the Christmas holidays. . . . Speedy recovery to Herb Morgenstern after his recent bout with surgery. . . . Very few people know that Broadway Joe Trotta keeps a pin-up picture of namesake Broadway Joe Namath inside his cabinet. . . . Glad to hear someone still has the old Pioneer Spirit—Don Davis jogs half a mile every morning. . . . Latest additions to our "Mod Squad": Hans Benes with a beard, Ron Bose and Harry Theodos ditto. Jeff Moore and Bob Filosa joined the sideburns crew. . . . For a non-smoker, Rudy Ramcke certainly uses a lot of matches. . . . Al Ciampa's son, David, applied for and received his junior driver's license—time marches on.

25 Skidoo

by Lynne Vernon

Farewell wishes to Joe McLaughlin of Vendor Liaison, Reggie Metcalf and Pete Finn of Data Services, and Ed Hawrey of Data Control. . . . I understand that CMO has three pair of trousers for sale—one with air conditioning in the front and two with air conditioning in the back. Those Volkswagens are tough on clothes. Have a seat there, Frank L! . . . Congratulations to George Baldwin on receiving his 25-year watch. . . . Reliability's second annual "BYA" award has been given to James F. McGowan Jr. Jim, I hear you really deserved it. . . . Goodbye and best wishes to Ginny Gormly. . . . In answer to my father's column (Tom Melia's "In the Mirror") about fitting a dog with ice skates—well, I'd like to see him do it. . . . Darlene Watson went skiing last week and before she even got to the top of the mountain, she slipped off the ski lift, but she's going right back next week to try again. . . . My next column may be a little water-soaked and sun-burned because it will be coming straight from Bermuda. . . . J. Wolfenden took his Christmas vacation in New Mexico. . . . Donna Ottone, Bob Pearsall, and Herb Fuentes received their five-year pins. . . . Good luck in your new job, Pat Rogers. . . . Condolences to Frank Sunshine and family on the loss of his father-in-law.

Ruotolo rolls into pin fame with 300 in Classified play

Bob Ruotolo has sipped the sweet nectar of fame, and he found it heady and warming . . . but possibly a little unsteadying.

Ruotolo, a stocky 31-year-old from Centereach who works in Material's Requirements Planning group in Plant 30, was catapulted into the headlines a fortnight ago with 12 rhythmic swings of his right arm. Overnight he became the sensation of the Grumman bowling world by rolling a 300 game in the Classified league at the Syosset Lanes.

The odds against this perfect effort are overwhelming. It had been done only once before in a Grumman league sanctioned by the American Bowling Congress. That was back in November 1958, and the idol of the hour at that time was Seb Scheil—long since retired—who turned the trick in the Grumman Tiger league at the North Levittown Lanes. Closest to the 12-strike game in recent years was Eddie Drew, who missed on the last ball and hit 297 in October 1968 in the Hawkeye loop. And, oddly enough, it was in the same Syosset Lanes.

Ruotolo's effort was accentuated by the fact that his 300 was the first at Syosset in sanctioned play since it opened in 1962—and a lot of games have gone into the records over that time.

Along with his 300, Ruotolo rolled games of 188 and 193 on that eventful night—which also gave him the Classified league series record of 681. His highest league string up until that time had been 615 in the Businessmen's loop at South Levittown five years ago—when he also rolled his highest previous game of 258.

Ruotolo started his 300 night as a 162-average bowler. The perfect game was accomplished in his last try. He bowls practically a straight ball, aiming at the headpin, but that night his ball drifted just enough to the "Jersey Side" so that he started picking up strikes. There wasn't much attention until he got seven in a row.

Pressure cooker

"Then the pressure started to hit me." he admitted. "My teammates, Lou Agiesta, Ken Cunningham, and my brother Ron (they're the Jokers, and in next-to-last place at the time) then started to root loudly. I was shaking when I picked up the ball for the ninth shot. By that time word must have spread around the alleys, and I saw the gang all bunched behind our lanes, rooting me on. That gave me confidence—that is, until I had just that 12th one to go. My hands were shaking when I went to pick the ball off the rack . . . in fact, I think I was shaking all over. Soon as I let the ball go, my team mates were jumping all over me and yelling. All I could think of," he grinned, "was what was I gonna do if it wasn't a strike."

But a strike it was, and a new star was born.

"Then," Bob said, "the whole place exploded. I was pounded and cheered—it was an uproar. It was a nice feeling, especially having all those people there cheering for me—probably something I'll never forget."

One of the first things he did was rush to a phone and call his wife, Joyce, who bowls in a women's league in the Centereach area. Their two youngsters, Craig 6, and Richard, 3, were asleep. "I was so excited," Bob said, "that my wife had a little trouble understanding me. But, you know, I had the darndest time making her believe I had a 300—she thought I was kidding. But once I convinced her, she called all our friends with the news.

"What a night! People I never saw before were pumping my hand and congratulating me . . . what a nice feeling."

Office celebration

When he arrived at work in Plant 30 the next morning—a little the worse for wear—his desk and the entire office were spotted with signs, all crying out "300." "The phone didn't stop ringing all day." he sighed. "It sure was an experience."

One oldtimer in his league remarked afterward, "I don't know how the heck he did it. I had never before seen a 300 game, and the way people jammed around the alley for that last ball must have put hm under terrific pressure. He sure deserved the celebration."

Ruotolo's feat broke in the daily press, the ruling ABC was notified, and plans were made to honor him at the league's next gathering. And, besides fame, there were other awards. He will receive a diamond ring from the ABC. The Grumman Athletic Association presented him with a trophy. Syosset Lanes owner Howard Eisenstein presented Ruotolo with a $100 Savings Bond and a trophy. The Classified league "liquidated" some assets—a whole case, in fact, was presented last week before bowling by President Ken Warta. Even Bob's father, Rudy, with Grumman 15 years and in LM Inventory Control, showed up for the official salute. "I'm not a bowler," Rudy admitted. But you could see that he was pretty proud of his son, Robert.

"I was more nervous for this occasion," Bob admitted, "than when I actually bowled the 300."

But, unsteadying as all the hullabaloo was, Bob Ruotolo weathered the occasion. He bowled a respectable 170, 173 and 175 the night of the presentations and his average now stands at 167.

"I feel a lot better now," he remarked. "I'm only half as nervous as I was."

Seb Scheil, who had bowled that only other 300 in 1958, was 63 at that time, a seasoned veteran of the alley wars. He had been a member of the Grumman varsity in the Industrial tourney at least three times. He has been retired for a few years now and lives in Valley Stream. Now, he's 74. But he quickly remembered his 300 in the Grumman League.

"Well," he said, "I knew nobody could ever beat that record, but I expected someday it would be tied. Good luck to that young man. I know what a thrill it must have been to him."

Indeed it was, and to everyone at Grumman who bowls.

He's No. 1. Bob Ruotolo of Plant 30 points to the plaque at Syosset Lanes listing his game as the first perfect score ever rolled in sanctioned play at the center since it opened in 1962. It also is only the second recorded in Grumman league competition. The first was a dozen years ago by Seb Scheil, who has since retired. Ruotolo rolled his 12-strike in the Classified League.

in the SLIPSTREAM

Garden City Hot Line

by Mary Earley

Double congratulations to Joe Mooney of P/C on the appointment of his son Joseph as coodinator of the state's Model Cities Program in Florida, plus presenting him with a new grandson. Pretty good for a boy who couldn't cut grass. Right, Joe? . . . Felicitations to Corrine and Bill Kirby on the birth of their first child, a boy, William IV, and good luck in your new home. Hope there are no spooks in this one, Bill. . . . Pauline Kozerski, former TWX girl of Plant 36, gave birth to a son last month. . . . Farewell to E. J. Wessel, soon to depart from our plant. . . . And, by the way, we hear through the grapevine that John Arola's New Year's resolution is to give up eating frankfurters for lunch for the entire week!

Li'l Bits

by Gary Blackman & Tony Marchese

We would like to say goodbye to our fearless leader, Dick DiRocco, and welcome our new leader, Frank Estrada. And we say farewell to Jean Beacon, who has left us for the good life over in Plant 41. . . . I feel that it is my duty to thank the very strong and courageous trio who came to the aid of an attractive redhead in the parking lot last week as she "hit bottom" while getting out of a car. Thank you again, gentlemen. . . . Anyone care to enter a beard-growing contest? For information regarding rules and regulations, contact either Don Ahearn, Bill Alemaghides, or Jim Watson. . . . Feel like having Chinese food for lunch? See Betty Bender. Last week she took her first lesson in Chinese. . . . Welcome, John Hennegan, Joe DeStefano, and Tony DeJohn, and welcome back to Richie Bush.

Propulsion

by Harry Strembel

Bud Tutrone trying to get George O'Connor to buy a snowmobile, just in case it "snows light." . . . Just heard that the reason Mal McBride went on a diet was because he noticed his truck sagging to the left. . . . We were all sorry to hear about the passing away of Bill Murphy's father over the holidays. . . . We all wish Bob Albrecht, Jim Graver, and John Mazzie lots of luck in their new work.

plane GRUMMAN news

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Newcomb's 241 sets girls mark; Hartnack hits 268 in Masters

It was business as usual in the Grumman bowling leagues despite the excitement raised by Bob Ruotolo's Classified 300. The spotlight lingered for a while on Lee Newcomb in the Hawkeye Mixed, who rolls at the Syosset Lanes where Ruotolo pitched his perfect string, when Lee set up a new league women's record with a 241. Lee, whose husband, Ray, works in Plant 36, erased Dot Jacobsen's Hawkeye mark of 235 and her score established the best distaff game of the season in a GAA sanctioned circuit Al Massucci led the Hawkeye men with 602, while game honors went to Charlie Marcaletti with 229. In previous play, Andy Michalowski swept the board with 222 and 581, while Ann Wuestman had 188 and 542.

Cliff Hartnack's performance in the mighty Masters was also a magnet, as he tied Ernie Jenkins' record with 268. Cliff fired a four-game series of 846 as he hung on to first place in the individual standings. Grover Hart produced scores of 242 and 224 in an 833 tally, while Joe Wilson, Bob Nielsen, and Stan Zolek all hit the 230 plateau. Mike Internicola topped the list earlier in the Masters with 829 after games of 222 and 234. John Alston had high mark of 235, and Herb Mahoney stood tall with a 224, along with Vin Crevoserat.

Celtics' records paced by O'Hanley, Davis

The Celtics did a good job of firing the F-111 action, setting up new team game and series records. John O'Hanley shot 237 and 559 and Art Davis inserted 221 and 598 as the Celtics rolled 831 and 2284. They also had George Fowler come through the following round with a sweep of honors on scores of 210-599, although the individual standout over this span was Frank Quinci of the Nonames. He socked the pins for 242 and 602. . . . Dick Jahnke boomed the Avengers to a sweep in the Aerospace play with the night's high game of 234 as series honors went to Ed Lomot with 564. Earlier, Vic Bonnano's 232 led the parade, while Phil Fey fashioned high series of 582, shading Jim McCormack by two sticks.

Betterino has hot streak in Syosset Mixed

John Betterino had two big nights in the Syosset Mixed, looping back-to-back series that rate with the best efforts of the season. He started the spree by slashing Ed Miron's league record, scratching in a big 679 series after a 245 game. Miron's old mark had been 667. Betterino bounced back the following week with a streak of 209, 233, and 236 for 678, only one stick shy of his freshly painted record. Marie Wood had plenty of bounce in a 222 game while Rita Mathia followed with a good women's series of 572. Betterino's spree, incidentally, overshadowed Bill Diercks' games of 212 and 232 for 603. . . . The Gray League at Syosset also saw plenty of fireworks. Ralph Kowalski lit the fuse with 206 and 205 for 605 and Al Anderson soared with a bright 243. Then the league exploded as six keglers rolled into the 600 bracket. Veteran Mark Mellinger, who shares the loop record with Jim Lloyd at 663, led the parade with 640 on games of 225 and 222. Ray Goetz boomed a 245 for 627 and Don Anderson matched this high game in a 608 total. Fred Avril was steadiness itself with three games of 208, 203, and 202 for 613, Harvey Knopf shot 605 and Mike Mole used a 230 to reach the 600 class.

Tom Smith clicks for Red league series of 655

Fella by the name of Smith, Tom to be exact, did some splendid pin shooting in the lively Red circuit. He hit the top last week by finishing a 655 series with 235 and 236, although yielding game honors to Tony Giancola's 249. The 600 boat was jammed, with John Strakosch at 630, Ed Meany, 620, George Eyring at 619 after starting with 237, Marty Pop rolling 607 with a finishing 232, and Ben Monte launching a 601 with a 231 game. Earlier, Milt Guttenberger was the big gun with 254, while George Trevino fired 246 and Bob Holsten had high series at 598. . . . Frank Azzerella picked up whatever honors were left after Bob Ruotolo's 300 in Classified action. He shot 220 and 235 for 638 on the BIG NIGHT of Ruotolo's classic, and previously had a 618 for high string. George Egor's 609 made the big list. . . . Steve Focardi's 214 and Hank Zembko's 614 brought the whistles in Lunar doings.

John Hamms it up with 634 for Nite Owls

On one of those rare occasions when both Judge Locke and Rudy Dunkley were pushed into the background, John Hamms brightened the Nite Owl bowling and headed the parade with 225-215 for 634. Dunkley, however, was moved too far into the shadows as he later came back with a 257, third best of the season for the Owls. . . . It was Maggie Gaynor all the way for a sweep in both rounds of the Patchogue Mixed. She had high string and game with 536 and 199, and last week was No. 1 for the gals again with 526 and 193. . . . Walt Krudop's 213 and a 536 by Ken Becker paced the men. Becker had some of the bouquets in the earlier round, too, leading with 214 as Gene Burgess had the big total of 553. . . . Will Buck was the big gun in Black hammering, as he fired games of 222 and 214 for a 638 series; earlier John Betterino based a 610 tally on games of 224 and 222. Tony Napolito, however, was only two pins shy of the record as he inserted a 255 in a 613 total. Earlier, Sam Wade bowled 243 and Ted Dija 234, while Frank Oczko's 234 and a 233 by Harry Higbie were also big efforts. . . . In a late report from the Monday Mixed, Walt Becher's 213 and 573, along with a 218-510 by Arleen Schwemmer, swept honors for the last January session. Jim Adams hit 545 and Hank Cenkner rolled 541. Jim Taylor carries the top average of 179.

Title holder in both the singles and doubles in Plant 36 handball competition was Len Ellis (C). He won the singles and shared doubles honors with Milt McWilliams. Ellis is flanked by Cliff Siegfried (L), finalist in both events, and Harold McNeely (R), who teamed with Siegfried for second place in the Garden City doubles play.

Winter green

Itching for a touch of the green, a hike down the fairways?

It's hardly the weather for the tee swingers, but Plane News is planning to help the beginners, duffers and "trap shooters" get a jump on the season and possibly erase some of their golf goofs.

Look for a series starting soon, offering the four keys to lower golf scores. The professor for this series will be Mike Cherry of the GAA staff, a PGA member who is well qualified as a teaching pro. His advice will be accompanied by illustrations, and it's possible by the time the links season opens you'll be able to shoot like 60 . . . er, 90, at least.

Mike, a long-time member of the pro staff at North Hempstead C.C. before becoming affiliated with the GAA, will provide advice on the prescribed golf grip, stance and address, foot action and how to practice properly for timing.

So, be looking for Mike's series. In the meantime, polish up those clubs. You'll be using them much more quickly than you had expected.

Wright's size is 36 in plant shoe fitting

Norman Wright is "king of the hill" in Plant 36 horseshoe pitching, but he had a rough road to scramble up before reaching the summit.

Wright, from Plant Stores & Distribution, had to face Louis Hill three times before standing on the peak of the singles field.

He beat Hill in the unbeaten bracket, 23-7 and 22-14. Hill dropped into the losers' bracket in the double elimination tourney and defeated Stuart Gluick, 24-20, 26-18, to earn another pitch at Wright. This time he defeated Wright, 22-18, 11-21, 22-17, 6-24 and 21-16 to set up a sharp playoff final.

Hill did win the opening game, 21-20, but then Wright went through three straight to the title, 21-14, 23-18, 24-19.

The doubles found Hill again involved in a showdown match. He teamed with Alfred Schmid, and they topped the winners' bracket by defeating Frank Cataldi and Stuart Gluick, 23-14 and 22-14. Cataldi and Gluick went from that setback to beat Wright and Tom McKenna in the losers' final, 22-13 and 21-11, to earn another shot at Hill and Schmid. They evened the score this time by 21-15, 1-21, 21-4, 9-21 and 21-18.

In the big squareoff for the title, Cataldi and Gluick won the sizzling five-game match, 19-21, 22-8, 21-17, 16-21, and 21-8.

The champions and runners-up received trophies from the GAA.

Gophers rifling records with 11 straight

Grumman's sharpshooting Gophers notched their 11th straight victory of the season last week by defeating DeMott-Carmen, 973-935 in the South Shore Rifle League. The Gophers have registered seven triumphs in the South Shore, and four in the L. I. Industrial circuit.

Al Burns and Hank Womble both fired 196 for the Gophers, who registered their highest team total of the season. Other Grumman scores on the board were George Hilton's 195, Joe Moks' 194, and a 192 by Bob Lang.

Earlier, Grumman defeated the Pyramid Club in a South Shore match, 955-942, with Hilton and Al Burns both firing 193. Ed Brandis shot 192, Phil Drapala 190, and Dick Imgram 187.

Keglers play lively tryout tune as Alston still holds top rating

Grumman could be represented in the men's L. I. Industrial bowling tourney by one of its strongest combinations in several years if performances in the varsity tryouts may be used as criteria.

The original field of over 80 in the trials has now been reduced to 24, with another cut due tomorrow night, Saturday, January 31, when the top 10 will be qualified for the showdown round. The first five in the tryouts will represent Grumman in the Industrial classic.

After 18 games in the trials the five leaders have a combined average of 201 . . . and there's still nine games left for improvement. Still No. 1 is John Alston, a varsity veteran, who has averaged 208 for the first 18 games with a grand total of 3744. He holds a 60-pin edge over another veteran, Vin Crevoiserat, who is just shy of 205 for the 18-game series.

Crevoiserat made a big step toward first place in the second round, rolling 1247 against Alston's 1199. But last Saturday night Alston came back with a 1265 for the six games to again strengthen his position at the head of the field. Alston fired his usual big game, this time a 265. Two other keglers averaged over 200: Ken Gutekunst shot 1236 for 3588 and fourth place, while John Betterino used a 242 to total 1208 for the night. Other big games were by Crevoiserat, 240, and by Hank Miller, who boomed a 255 for 1165 and 12th position.

Don Eivers, who just survived the first cut in 32nd place after two rounds, cracked a 1117 string last week to escape another cut as he landed in 22nd place.

Walt Matuza, now seventh, featured the second round with 1255 for his six games, including scores of 234 and 242. Crevoiserat had two big games of 232 and 235 in his 2481, but Ben Plawski grabbed a chunk of the spotlight with a sizzling 1249 string. Mike Internicola was also over the 200-average for the round with 1224, putting a 244 and 255 back-to-back in the six-game series.

Besides Alston and Crevoiserat, the only other kegler who bowled for Grumman in the Industrial play last year and who has survived the first two cuts is Grover Hart, now ranking 11th.

The tryouts are being staged at the Mid Isle Lanes on Peninsula Blvd., Hempstead, site of the anual Industrial classic.

After tomorrow night's round, the men's field will be reduced to 10; they will roll three more games on February 7 to determine the starting five, which will be decided by total pins for the entire 27 games in the tryouts. The top quintet that will represent Grumman will be one of 16 teams in the annual L. I. Industrial Men's Invitation Tournament. The classic will be held at Mid Isle, starting March 7 and continuing March 14, 21, and 28. Total pins for the 12-game tourney will determine the winner of the Industrial championship.

The standings after 18 games,

John Alston	3744	Michael Greggo	3380
Vin Crevoiserat	3684	Ed Hilbert	3352
Ben Plawski	3593	Charles Gosline	3337
Ken Gutekunst	3588	Dick Suttmeier	3328
Walter Matuza	3486	Sid Weihs	3316
John Betterino	3475	Bud Earhart	3302
John Nielsen	3474	Martin Popp	3301
Mike Internicola	3464	Frank Quinci	3298
James Schwab	3432	Norman Wright	3293
Bruce Karen	3417	Donald Eivers	3293
Grover Hart	3413	Nick Malandro	3286
Hank Miller	3402	Bud Gilreath	3286

Shooting star. Jerry Bacon (R) of Plant 55, made the news headlines and TV recently in a Savannah benefit bowling tourney when he socked the pins for a 729 series. He's shown here right after the big string with Major League Lanes manager Carl Waggoner, who presented Bacon with a trophy for highest score of the season. Bacon is no stranger in the "700 circle." He now holds a 179 average for the Starlags in the Grumman league at Savannah, and a little less than a year ago he rolled 705 for the Flunkies in Plant 55's Nite Owl league. There have only been about 15 series in the 700 class rolled in Grumman leagues since 1945.

Swinging pair. Sam Ferrantino (L) of Plant 5 and Nick Bincarowsky of Plant 34 were happy indeed as they were presented trophies by Herb Mahoney of the GAA staff following their doubles victory in the Bethpage handball tournament. Bincarowsky later completed a sweep by winning the Bethpage singles title.

Ritz new threat in women's pin

Veteran campaigner Chin Thompson of LM Test Service, Plant 25, is again running ahead of the field in the women's varsity bowling trials, but she faces a new threat in Sandra Ritz of Plant 39, a pin stylist making her first start in the eliminations.

Starting with a 227 and averaging 177 over the four games, Thompson rushed into a 23-pin lead in the four-game series opener with a 708. Second in the field is Ritz, who scattered the wood for 685 and a 198 game, second highest in this bracket to Thompson's leadoff effort.

Only seven pins behind Ritz is Donna Lawrow with a 678 in the opener.

Including Thompson, four members of last year's Grumman varsity squad are jammed in the top seven places, including Norma Frey, Lynn Sowers, and Bertha Siegl. Louise Segar grabbed sixth place with 646.

Play in the eliminations continues tomorrow night, Saturday, January 31, at the Mid Isle Lanes, Hempstead. The girls' field will be cut to 10 after the first dozen games.

Canopy volley king

The Canopy Department put the lid on the volley ball opposition at Plant 27, Wyandanch, to join the long list of GAA trophy winners over the past year.

Captained by Bill Williams, Canopy defeated the Castoffs in the best-of-five playoff. Competing with Williams were Walt Blazejewski, Lenny Costanzo, Mike Lang, Gil King, George Pennecke, Richard Organ, Joe DeSanto, Matt Swan, and Joe Cavaluzzo.

Canopy won the series opener 15-10, and after trailing the Castoffs by 13-15, went on to straight victories, 15-6 and 15-8.

Bartlett sparks Spoiler victory

Ray Schaefer's Spoilers have broken the deadlock in the Wednesday division of the Grumman basketball league and shouldered their way into first place with four straight victories.

The Spoilers met the Instrumets in one of the season's clutch games last week and tossed to an 84-64 victory on the Campagne School court, Bethpage. The defeat was the first for the Instrumets in five games.

A last-quarter drive clinched the game for the Spoilers, who were sparked by Ron Bartlett's 31 points and 22 by Ken Sullivan. The usually high-scoring Brian Berke was limited to four points by the Instrumets before fouling out late in the last period, hampered considerably by the losers' zone defense. Lionel Bell and Bob Hambracht combined for 31 of the Instrumets' tallies.

Berke came back last week in the Tuesday division and paced Transportation's Road Runners to their third straight, caging 37 points in a 96-39 romp over the Digits at the Kramer School. Jim Cruthers was also prominent for Transportation with 20.

Pat Garahan was the big gun, scoring 41 points on the fast break, as he paced Cold Flow to a 100-64 win over the Rejects in the Wednesday loop. Bruce Driver netted 23 and Jim Litterelle and Lou Jacklitch accounted for 25 as Cold Flow controlled the boards.

Title to Nutcrackers

They played the "Nutcracker Suite" throughout the bocce season at Plant 29, Bethpage. It was the Nutcrackers who had the air of winners in the circuit and they waltzed through six straight victories to the league title, including a 15-4 swing over the 4-Jays in the playoffs. Rolling for the Nutcrackers were Joe Bosch, Bud Fitch, John Kozsdiy, and Cliff Smith.

Ride Wanted

PLANT 2: To Hauppauge (Windsor Vill) vic. LIE, exit 57 on Vets Hwy. near Motor Pky., lv. 4:18. 234-6310.

E. PATCHOGUE: Plant 2, 7:30-4. Ruffin Brown and William Mercer, Ext. 2449.

POST COLLEGE: Tues. & Thurs., dir. after work, from Plt. 5. Robt. Carman, Ext. 2275.

COMMACK: Larkfield & Town Line Rds. to Plt. 38, 8-4:30. Anne Parker, Ext. 2962.

PLANT 1: To Stewart Ave. & Sycamore or Bdwy. & Syc. or vic. Beth. HS or Jr. HS. 931-7288.

Riders Wanted

ISLIP: Bay Shore area, to Plts, 2, 3, 10, 11, 12, 17, 31, 37. S. Shlimbaum, Ext. 86543.

Car Pool

SAYVILLE: To Plant 34C, 8-4:30. Louise Levy, Ext. 9661.

BRONX: To Plt. 34. Morton Danin, Ext. 3262.

FLUSHING: Main St., Kissena Blvd. or Francis Lewis Blvd. & L.I.E., to Plt. 30 or 35, 8-4:30. Al Bennett, Ext. 2611.

QUEENS: Astoria, Jackson Hgts., to Plts. 12 or 5. Bernie Zyniewski, Ext. 84252.

BROOKLYN: Rkwy. Pkwy exit, So. State to Plt. 24, 3, 17, 21, 7:18 or 7:30. 212-CL 1-2013, evgs.

Wanted

MOTOR HOME: To rent from May 15 to June 1. 581-0523.

STEREO SPEAKERS: 2, 4-8 or 16 ohm, for 30 watt receiver. William Phillips, Ext. 84016.

HONDA: 90cc Trail Bike, "bskt. case" pref. PY 8-4258.

ROOMMATE: Share lge. furn. 3 bdrm. house w/2 engrs., on pvt. bch. in Huntington. Lease to July, $250/mo. Jim McCarthy, Ext. 84604.

MISC.: Late model Midget or Sprite eng.; VW eng. in good cond. AT 9-1235.

OUTBOARD: 35-55 hp, elec. start. M. Dileva, Ext. 86706.

BOAT: 20 or 21 ft. fiberglass, inbd/outbd., hard tp. or Navy tp., head. W. Schlosser, Ext. 3273.

PIANO: For begin. lessons, playing cond. Fred Edelstein, Ext. 2267.

SKATES: Girl's wh. fig., sz. 7½. Pat Roth, Ext. 3445.

APT.: 2 bdrm, 2nd fl. pvt. house, gar., mature bus. cple., Bethpage vic. 475-3385.

ENGINES: Model airplane, ignition-type, used/new, for antique eng. coll. J. Pailet, Ext. 2388.

APT.: 3½-4 rm., Grumman vic., reason., occup. June. CH 9-2407.

TRAILER: Sm. util. w/sides, std. whl. base. AN 5-6809.

For Rent

ROOM: Furn., bath, nr. plt., bus. woman pref., ref. WE 1-1750.

APARTMENT: 2½ rm., Farmingdale, $215/mo. P. Viemeister, Ext. 3445.

ROOM: Middle Island, furn., kit. priv., $25/wk. 924-5280.

ROOM: Furn., linens, 2 blks. from Plt. 35, gar. opt. WE 5-2055, after 4:30.

ROOM: 185 Second St., Hicksville. David Dudenhoefer, Ext. 1936.

ROOM: Furn., semi pvt. bath, pvt. ent., nr. RR, shop. & GAC Bethpage, gentleman. WE 5-5356.

HAUPPAUGE: 6 rm. apt. & gar., avail. 3/1, $250/mo. 234-7850.

ROOM: Hicksville, gent. pref. WE 5-2466.

APTS.: Two 3-rm. furn., 1 util. incl. $100, 1 util. incl. exc. elec., $95, 15 min. from Calverton. 325-0821, after 5.

HOUSE: 3 bdrm., furn. bsmt. & gar., Brentwood. 273-6558.

APT.: Setauket, furn., 3 rm. & bath, all util., $200/mo., occup. March 15, prof. or bus. cple. 751-0029, evgs.

ROOM: Lrg., pvt. bath, TV, air cond., refrig., pvt. entr., Lindenhurst. TU 4-8766.

ROOM: Pvt. house, pvt. entr., Kew Gardens area, gent. pref. 212-VI 6-8552, after 4.

Lost

FOX HAT: Bwn., Jan. 16, Plt. 5 lot, reward for return. Lee Badalamenti, Ext. 2171.

Adoption

BEAGLE: Male; need good home for 2 yr. old on breeder's terms, AKC papers, shots & dog house. TU 4-8144.

For Sale

HOUSE: Dix Hills, 8 rm. ranch, ¾ plot, 2 bath, gar., s/s, $43,000. OV 1-9249.

LIVING RM: Mod., 2 pc. sect., 1 chr. 212-386-9358, after 6.

WASHER: GE Filter Flo, 3 cyc., pre-soak, 3 wtr. lvls, 3 temp., $75. William Bassett, Ext. 57-231.

PUPPIES: Weimaraner, champ, bkgrnd., sol. col., male, $125, fem. $100. Phil Stump, Ext. 3047.

DRAFTING EQUIP.: "T" sq., drftg. brd., comp. sets, dividers, bks., case, etc., $100. GE 7-4689 after 6.

at your SERVICE

This is a free service to Grumman personnel for non-commercial advertisements, accepted on a first-come, first-served basis. Classified advertisements are carried in PLANE NEWS only on the basis that everyone replying to such advertising will receive fair and equal consideration regardless of their race, creed, color, or national origin.

Type or print ad on form available at Employee Services and Engineering counters, and send via interplant mail to PLANE NEWS, Plant 28A, Bethpage. List home phone (with area code if outside Nassau or Suffolk). Limit: one ad per person per issue. No item under $10, no firearms or ammunition.

MISC.: Astronomer telescope, 55x, 117x, 175x, new, $25; Dejur photo enlar., $25; Webcor tape record., $40. T. Gaal, Ext. 84359.

MISC.: Tape player for car, 8-track stereo & FM stereo tuner cart., Panasonic, $110. JU 8-2078 evgs.

HOUSE: West Hills (Rollingwood), 3-bdrm. split, firepl., beamed ceil., new kit., wooded 1/3 acre, $30,000. AR 1-2581.

PUPPIES: St. Bernard, AKC, $150 to $375. 281-4649.

GUITAR: Fender Mustang bass elec., 4 str., w/fender fitted case, $125. PA 7-5878, evgs. & wkends.

SAXOPHONES: C Melody, $30; E flat alto, $65. 727-6163, after 6.

TIRES: 2 w/w 825x14, w/rims, 1 mon. old, $30, fit Chrysler, Ply., Dodge. Frank Lauricella, Ext. 9371.

IMPALA: '64 S/S conv., bkts, 4-spd., 339 cube, 400 hp. MY 1-0721.

MUSTANG: '69, grn., 8 cyl., 302 c.i., auto. trans. Edith Torresson, Ext. 7091.

BUICK: '66 wag., pwr. steer., 8 cyl., nds. body wk., good mech. cond. 914-337-9131.

TRIUMPH: '60 TR-3, nds. wk., good mech. cond., R&H, snows ski & rack. 914-337-9131.

CADILLLAC: '62 4-dr. sed., DeVille, equip., nds. some repairs. IV 3-4841, after 12.

CHEVROLET: '57 sta. wag., '64 eng. & trans., needs exh. sys. PY 6-1426.

VW: '68 Bug, auto., w/w, low mi., new snows mtd. 587-4413.

ENGINE: Mod. 283, '62 Chevy & trans., $150. 273-9437.

TRAILER: Sears, 1 whl. stop, & tail lgts., $60. 921-3137.

HOUSE: N. Shirley, 2-yr. hi-ranch, 9 rm., 4 bdrm., 2 bath, playrm., att. gar. w/sundeck, o.h.w.h., landscaped, 100x175, $26,500. 924-4240, after 5:30.

HOUSE: Levitt, 5 bdrm., 2 bath, den, lndry., gar., cov. patio, fncd., 5 appli., firepl., $30,000. PY 6-7695.

AMPLIFIER: Guitar, Fender-Princeton reverb., $60. 273-4044, 7-9.

MISC.: 6 ft. red uphol. contem. couch, $50; Royal port. typewriter w/case, $20. Anne Moore, Ext. 2486.

MISC.: Sunfish w/tlr., $250; 3-spd. bike, $35; 18 in. TV, $50; oil burner w/cont. $50; SW radio, $10; wgt.-lifting set. HA 7-3979.

BUICK: '63 Wildcat, 4-dr., R&H, w/w, snows on rims, $350. 271-1271.

FORD: '66 sta. wag., Falcon Futura 289, V-8, auto. trans., pwr. steer., radio, fact. air cond., pwr. wind., dual act. tailgate, snows, $1,475. 694-2271, after 6.

OSCILLOSCOPE: Dumont 304H, new Cathode ray tube, operating man. (no probes), $55. Syd Martin, Ext. 86061.

TEST EQUIP.: Heathkit RF sig. gen., $35; Heathkit TV sweep gen., $35; Heathkit oscilloscope, $30. Dick Lerner, Ext. 57-868.

BOAT: 17 ft. Eastern w/remov. hardtp., 40 hp elec. start/shift Evinrude, 2 tanks, extras, $375. TU 8-9107, evgs.

TV: 24 in. B&W Magnavox cons., $50. PE 5-2194.

GTO: '68, turq. w/blk. vinyl tp., pwr. steer., disc bks., AM/FM, A/C 4-spd., wood steer, whl., Rally II mag whls., Mallory dual pt. dist.; Doug headers sus., 4:11 posi, $3,000. 212-528-1448.

PONTIAC: '66 Grand Prix, white w/blk. int., power, bkt. sts., $1,200. 431-5716.

SKIS: Sabre w/bind., sz. 4 ft. 10 in., $20; ski boots for child, Henke, sz. 6. Gertrude Tillotson, Ext. 84592.

FORD: '63 Fairlane 500 hardtp., auto., 8 cyl., $275. PE 1-8298, after 4.

MUSTANG: '65, 63,000 mi., 6 cyl., auto., pwr. steer., R&H, $890. J. Russell, Ext. 9689.

BMW: '69, 1600, radial tires, AM/FM, 16,000 mi., $2,500. G. Schreiber, Ext. 86111.

TIRES: (4) 7:75x15 blk. on Rambler rims, 3,000 mi. 666-0856 evs.

TIRES: Snows w/rims mtd., w/w D70-14 (6.95x14) 4 ply poly. widetrack, off Barracuda, $45. CH 9-9327.

PANASONIC: 8 track stereo car tape player w/FM stereo cart., 2 spkrs., $70. SU 1-7007.

P.A. SYSTEM: Kustom "200," life guar. Barry Kunzler, Ext. 7944.

PUPPIES: Labrador retriever, blk. or yel., home bred, perm. shots, AKC reg., champ background. HR 3-5844, after 6.

PUPPIES: St. Bernard, AKC, from $150. EM 3-6545.

DYNEL WIG: Never used, strawberry blonde, w/head, $20. PE 5-4445.

PIANO: Upright, Mendelsohn, full keyboard, bench, some music, $50. William Phillips, Ext. 84016.

WASHER: Sears, port., fully auto., service contr. incl., $60. WA 1-3923.

FUR COAT: Fully let-out mink dyed muskrat, full lngth., 12-14. 538-3829.

MISC.: Biltrite carr. w/wh. liftout body, $25; crib, birch w/matt., $20. CH 9-5942.

CARRIAGE: Swan coach, grn., w/matt. & windbrkr., $90. 212-886-3077.

TUBE TESTER: Port., Knight, mod. 600-A, assem., $45. 589-7909.

For Sale

ELECTRONIC EQUIP.: VTVM, oscilloscope, RCA sig. gen. & misc., good for starting in electr. repair. $35. 727-0135 after 5.

MG: '68 Midget, R&H, wire whls., red, body, blk. conv. tp., 5 good tires, 10,000 mi., $1,600. Keith Hargreaves, Ext. 9354.

CHANDELIER: Danish, wood & brass, 5 wh. globes, $15. 757-7112.

MISC.: Army dress greens, $20; Army o'coat (maxi), $20. 598-2935.

WASHER: Port. auto., 3 yrs., used 2 yrs., $90. 731-1774.

HOUSE: Spencer, N. Y., 2 barns & gar., on 5 acres (1 mi. from village on Rt. 34), living rm., 3 bedrm., eat-in kit., full bsmt. & oil heat, $10,500. FR 9-1369.

TIRES: 2 w/w 700x13 Atlas Plycron 4-ply tubeless (one bal. & mtd. on rim), 1,000 mi., $45. HA 7-5988.

PUPPIES: AKC fem. Ger. shep., 2½ mos., $75, shots. 667-4662.

GTO: '64 conv., new trans. & clutch, mtd. snows, $950. 473-7460.

DRUMS: Rogers, 4-pc., bass tom tom, flr. tom-tom, hi hats, 18 & 20 in., Zildjian cymbals set, $250. JU 6-4487.

MISC.: Philco elect. counter-tp., range, new, $55; ringer type wash. mach., $25. 667-9733.

MAGAZINES: 200 Pop. Mech. & Pop. Science, 1920s - 1950s; 100 Speed Age, 1950s, best offer. AT 9-1235.

SLICER: National, manual, $10. PE 5-4445.

HUNTING EQUIP.: Reasonable. IV 9-4734.

CORVAIR: '61, 2-dr., bkt. seats, 46,000 mi., $300. Louise Levy, Ext. 9661.

SOFA: 7 ft. French Prov., champagne, $75. 212 TW 6-2368, after 6.

MOTORCYCLE: '59 Harley 74, 1200cc, full dress, reblt. eng., blk. w/pin stripes, $800. 757-8209, after 7.

VW: '68 Bug, radio, s/shft., orig. owner, $1,450. 473-9033.

CHEVELLE: '66 Malibu, 4-dr. lrg. 6 cyl., std. trans., $750. B. Stio, Ext. 1681.

CUTLASS: '66, 442, 350 hp, 4 on the fl., best offer. PI 2-0043.

MISC.: Eng. coach baby carr., $15; 3/0 entr. cable, stranded copper, 100 ft., $40; antique sleigh bed & match. vanity, $55. Carl Brodt, Ext. 7591.

RATCHET: Pipe threader, 3 dies for ½, ¾, & 1 in. pipe, $20. B. Jakob, Ext. 1374.

AUTO PARTS: Mallory Mini-Mag & Pwr. Pak for 265-427 Chev., cond. new, $90; sun tach sending unit for same, $10. SU 1-7620.

PROPERTY: Stowe, Vt., 4 acres w/view of Mt. Mansfield, 3½ mi. to town, $5,000, terms. 922-0997.

MISC.: 2 lt. grn. damask & velvet per. occas. chairs, $15 ea.; 2 mahog. lthr. tp. Ital. Prov. end tbls., $15 ea.; 2 drk. sol. blue sculp. area rugs, 6 ft. rnd., $20; 9x12 oval, $40; fan-back fireside chair, $20. 433-6951.

COFFEE TBL.: 54 in. x 19 in., gold-veined blk. Ital. marble tp. w/4 Louis XV sol. brass legs, $35. Aldo DeCollibus, Ext. 6141.

PROPERTY: Bus., Southampton, nr. twn. & coll., 100x300, terms, $15,000. 728-1186, after 7.

WIG: 100% human hair, frosted, incl. case & head form, $50. Mollie Zak, Ext. 6412.

TV: 2 sets (20 in. & 21 in.) less cab., need minor repairs, both $10. D. Rapp, Ext. 7591.

FISH TANK: 55 gal. deluxe, pwr. filtr. & aer. sys., all access., $90. Richard Fantasia, Ext. 86023.

HOUSE: Bethpage, 3 bdrm. ranch, 1½ bath, den, comp. furn. bsmt., 2 zone heat, s/s, washer/dryer. 694-1816, after 5:30.

CHEVROLET: '62 Nova, 6 cyl., auto. pwr. steer., bkt. sts., $395. 732-1950.

VW: '65 Bug, $700. LT 9-1625, after 6.

PONTIAC: '64 sta. wag., Catalina, 6 pass., full pwr., vinyl int., $600. 781-2511.

CHEVROLET: '61 Impala, 4-dr., pwr. steer., R&H, V-8 auto., needs minor work, $50. 277-9622, after 6.

VW: '66, R&H, $900. George Smith, Ext. 2588.

GTO: '69 Pontiac, 4-spd., posi, vinyl tp., pwr. steer., radio w/rear spkrs., 10,000 mi., $2,950. Dan Stegner, Ext. 7671.

LINCOLN: '59 Mark IV, all pwr., air cond., new tires, gen., shocks, needs windshld. wiper, $400. 433-4393.

TRIUMPH: '66 Herald sed. 1200, radio, bkt. sts., best offer over $525. John Ragan, Ext. 57-571.

CHEVROLET: '65 Chevelle, 6 cyl., 4-dr., R&H, auto., pwr. steer., 2 snows on rims, $650. 234-8964, evgs.

MUSTANG: '69 Mach I, 428 Cobra Jet, Ram air, blk. int., full. equip., auto., disc bks., pwr. steer., stereo, air cond., cons., mag whls., under warr., $3,100. 681-0377.

OLDSMOBILE: '68, gld., blk. tp., xtra mtd. snows, AM tape, rear antenna, pwr., $1,950, or trade for older model, any make. Ed Ratcliff, Ext. 84205.

TRUCK: International pick-up, bdy. suitable for camper conv. TU 8-8845.

TIRES: 2 w/w snows on VW rims, 5 lug holes, $25. JU 7-4176.

TIRES: 2 VW snows 560x15 tubeless, mtd. on 5 hole whls., one 700x13 tubeless mtd. MO 1-0226.

TIRES: Four 685x15, 5,000 mi., $30. 691-3452, after 5.

SKIS: 1 pr. Hart std., 6 ft. 11 in. (210cm), 1 pr. Kastinger man's boots, sz. 8, 1 pr. woman's boots, sz. 6½. 475-1558, after 7.

SKI BOOTS: Man's, dbl. lace, sz. 10. $15. Pete Martin, Ext. 2241.

CAMERA: Super 8mm, proj., screen & floodlgt., $50. IV 5-3782.

For Sale

PUPPIES: Ger. shep., AKC, 8 wks., sml. boned, blk. & sil., male $80, fem. $60. 799-0810.

HOUSE: Miller Place, ½ acre, dead end, 7 rm., 4 bdrm., 2 car gar., firepl., well, s/s, tax $900, owner will hold mtge. ½% lwr. than bank rate, $35,000. 924-4348.

HOUSE: W. Islip, 4 yr., brick & cedar, 4 bdrm., 2½ bath, fam. rm., firepl., porch, patio, 2 car gar., bch., marina, ramp, 6% 30-yr. mtge., $42,000. 661-6224 evgs.

MISC.: CB radio & mike, Courier 23, base mike = D104- mag antenna, 100 ft. ant. wire, trick stick, $240. Sal DiLorenzo, Ext. 2704.

VW: '69, Bug, auto. stick shift, R&H, new snows, $1,700. Geo. Koufakis, Ext. 1896.

ENGINE: Buick V-8, 4 bbl A.F.B., Offie Bell std. Ford trans., w/alternator, $150. Gus Isaksson, Ext. 84608.

For Sale

OLDSMOBILE: '61 Dyn. 88, conv., pwr. steer. & bks., orig. owner. 212-EX 2-4652.

COUNTRY SQUIRE: '63, Ford, 9 pass., R&H, pwr. steer. & rear window, $250. 757-7216.

OPEL KADETT: '67 spt. coupe, w/snows on xtra whls., $1,000. 588-9233.

MERCEDES BENZ: '63 spt. coupe, 190 SL, blk w/red leath. int., 2 tps., 25-30 mpg, 4 new tires, AM/FM, pwr. bks., 4-spd. fl. shft. Frank Messina, Ext. 2982.

BEDRM. SET: Early Amer. thick pine by Georgetown, lady's dresser & mirror, man's dresser, dbl. bed w/matt., $375. R. Schmitt, Ext. 2275.

TUNER: Monaural, AM/FM w/AFC, $20. Charles Kraft, Ext. 7321.

HOUSE: SW Freeport, 4 bdrm., 1½ bath, 60x100 plot. $26,000. FR 8-8728.

DINE SET: Mahog., buffet, china closet, tbl., 1 lf., full pad, 5 chrs. WE 1-1750.

For Sale

HOUSE: Wide-line Cape, Elmont, 60x100, 4 bedrm., 2 bath, fin. bsmt., 2 kit., terr., low taxes, $31,500. Murray Cohen, Ext. 2051.

ORGAN: Lowrey Holiday Deluxe, blt-in Leslie spkr. & A.O.C., bench incl., $900. 277-3246.

CAMERA: Nikon FT, w/50mm f 1.4 lens & 135mm f 3.5 lens, case, $350. 589-5235.

SHARE: In Bonanza aircraft, 25 hrs. since maj. eng. o'haul by Mattituck, full IFR equip., must be experienced pilot. R. Opsahl, Ext. 7231.

FIAT: '67 4-dr. sed. 1100R, radio, snows, w/w, new bks., 2,700 mi., $725. 724-3962.

CORVETTE: '68, blue conv., 350 hp, 4-spd., AM/FM, pwr. windows, best offer over $3,200. Jerry Arrowood, Ext. 1431.

VW: '67 Bug, radio, 20,000 mi., $1,175. E. Anglin, Ext. 1100.

For Sale

CHEVROLET: '57, w/'67 430 c.i. Buick eng., new carb., shocks, mufflers, $185, 666-8571.

STATION WAGON: '63 Olds. Super 88, $150. J. O'Neill, Ext. 9421.

COUNTRY SQUIRE: '63, Ford, $650. CH 9-6816.

RAMBLER: '64, 6 cyl., std. shft., $200. CH 9-6998.

LINCOLN: '64, 4-dr. sed., air cond., all pwr., $995. 543-8194.

MOTORCYCLE: BSA 441 cc, low ins. class, low mlg., rebit. eng. & trans., $450. Paul Blumstein, Ext. 1713.

TIRES: 3 snows & 2 reg. on rims, 670x13, '63 Falcon, guar., $10 ea. Lew Gibson, Ext. 2078.

SNOW THROWER: Sunbeam elec. w/100 ft. cord, $65. RO 6-2710.

OUTBOARD: '61 Evinrude, 75 hp eng. w/all controls, brkts. JU 1-5206.

Community health services for Nassau County residents

Emergency services	Comments	Contacts
Emergency Medical Care	If you need medical care and are unable to reach your family physician	333-3500 — Nassau County Medical Society (Emergency Service)
Poison Control Center	Immediate first aid advice on telephone 24 hours a day, seven days a week.	Meadowbrook Hospital — 542-2323
Suicide Prevention and Crisis Intervention	Immediate assistance. Follow up under professional supervision 24 hours a day, seven days a week. (Full range of Mental Health services available)	Meadowbrook Hospital, 220 Hempstead Turnpike East Meadow 538-3111
Emergency drug addiction	Emergency: — overdose of drugs or infections or severe withdrawal symptons DON'T WAIT — GO.	Meadowbrook Hospital, Emergency Room, nearest hospital
Health services		
Drug addiction	Voluntary withdrawal. Monday through Friday, 1 - 3 p.m. Information regarding drugs, therapy, information for concerned parents.	Nassau County Drug Abuse and Addiction Commission 320 Old Country Road, Garden City, N. Y. 535-3223
Finding a personal physician or specialist	NCMS will assist in selecting a physician in terms of qualifications, specialty, location and special requests (such as bi-lingual, etc.)	Nassau County Medical Society (NCMS) 1200 Stewart Avenue Garden City, N. Y. 11530 333-4300
To register a complaint or disagreement with a physician or hospital	Complaint must be submitted in writing. NCMS by-laws require that all formally submitted complaints be acted upon.	Same
Speakers' Bureau	Qualified members of the NCMS cover a wide range of subjects and are available for community meetings wherever possible. Four weeks advance notice. Minimum audience of 40 people required.	Same
Information about hospitals	NCMS offers information on hospital accreditation, staff, type of hospital, i.e., voluntary, proprietary, teaching or institutions with special or unusual facilities.	Same
Information about nursing homes	Nursing Homes in New York State must be licensed, accredited, and supervised by the Board of Health.	Robert Niebling, M.D., Deputy Commissioner of Health and Director, Bureau of Health Certification and Standards, Nassau County Department of Health, Freeport Health Center, 460 North Main Street, Freeport, N. Y. FR 8-0251
Information about senior citizens	In regard to Activities of Daily Living, the NCMS will put inquirer in contact with the Health Department or Public Health Nurse. Information and assistance also available from the County of Nassau Office for the Aging.	NCMS and/or County of Nassau Office for the Aging 33 Willis Avenue, Mineola, N. Y. 11501 535-4414
Alcoholism	Information for yourself, family, friends.	Long Island Council on Alcoholism (LICA) PI 7-2606
Home Nursing Service	Information on part-time nursing care in the home. Health Guidance.	Division of Public Health Nursing, Department of Health 240 Old Country Road, Mineola, N. Y. 11501 535-4920 Visiting Nurse Assn. MA 7-0530 — North Shore HU 2-0582—North Shore WA 2-6611—Oyster Bay FR 4-5808—Five Towns OR 1-0403—Glen Cove

Prepared by The Woman's Auxiliary to the Nassau County Medical Society in cooperation with the Nassau County Medical Society. Effective February 1, 1970

Lacina takes top prize in United Fund drawing

It's obvious, after talking with prize winners in the recent United Fund drawing, that Grummanites give to the Fund, not in the hope of winning a prize, but because of their feeling for their fellow human beings.

How do they feel when they do win? Surprised? Yes. Happy? Sure. But deep down they all seem to have a feeling of gratitude for their own good health; without it, they admit, they could not have afforded to help needy children and adults.

Here's how Ronald King of Product Support felt after his winning ticket was drawn from the drum. "I was amazed—I've never won anything as valuable as a big color TV set before. And was my wife happy when the prize arrived on our 20th wedding anniversary! Why do I give a fair share? Well, I've been on the receiving end; just five years ago, when I was only 35, I was hit with multiple sclerosis. I became paralyzed and blind and had to have intensive medical care for almost a year. We'll never forget, my wife and I, how Grumman and the United Fund helped us through a very rough time. The money that we give now will never repay the debt; but it was more than the money—it was the feeling behind it all!" Ron is now completely recovered and enjoying his job in Field Service management, Plant 34F.

When John Lacina, a tool and die maker in Plant 2, was asked how he felt about winning the big prize, he answered, "My daughter put it best when she said, 'Someone's looking after us, Pop—we've never won anything as good as this before.' So I said, 'It sure looks like it, because aside from winning, the family's well, and we haven't got any big problems."

A winner. United Fund drawing took place in Plant 36, Manager Bill McLean and Gus D'Errico, ESO, officiating.

First win

Steve Marchioli, of Sub-assembly, Plant 1, has almost 25 years of service with the Company. He has been contributing, "ever since there was a fund at Grumman. . . ." (The forerunner of today's United Fund was the Long Island Industry Fund. It was founded in the early 1950s by the late Jake Swirbul.) Said Steve, "In all these years, I've never won a thing before!"

A complete list of prize winners and their selections includes:

1. John Lacina, Tool Fabrication - Tool & Die, Plant 2 — Sylvania 25 inch color TV/stereo combination

2. Ronald King, Product Support Field Service-Management, Plant 34F — RCA 25-inch console color TV

3. Stephen Marchioli, Sub-assembly, Plant 1 — RCA 25-inch console color TV

4. Michael Dalto, Fuse. Minor Assembly, Plant 36 — Sylvania 25-inch console color TV

5. John Hunt, Flight Avionics, Plant 5 — G.E. 18-inch portable color TV

6. Robert Bunce, Production Control - Parts Control/Major, Plant 5 — G.E. washer-dryer

7. William Voorhest, Opportunity Development Department, Plant 28 — G.E. Americana double-oven range

8. Robert McNeill, Product Support A/C Site Management, Plant 81 — G.E. 16-cubic feet upright freezer

9. Matthew Mogavero, Structural Test Engineering, Plant 4 — Sylvania stereo-radio-phonograph combination TV, with stand

10. Billy Barnhart, Control Dynamics, Plant 15 — Sylvania stereo AM-FM combination

11. George Tietjen, Sr., Sub-assembly, Plant 27 — Polaroid Model 360 electronic flash camera kit

12. Stanley Johnson Jr., Wire, Plant 33 — G.E. 23-inch B & W console TV

13. Joseph Smith, Engraving, Plant 3 — G.E. 19-inch portable TV, with stand

14. Lena Bullen, Small Parts Fabrication, Plant 27 — G.E. 16-cubic-feet two-door, frost-free refrigerator

15. Joseph Supper, Center Section Final, Plant 2 — G.E. 14-cubic-feet two-door, frost-free refrigerator

16. Willie Grutzeck, Avionic Fabrication, Plant 33 — G.E. 23-inch table TV

17. Robert Maxey, Sub-assembly, TV, with stand
Plant 55 — G.E. 30-inch electric range

18. Vincent Valetutti, Plant Management and Staff, Plant 6 — G.E. automatic portable dishwasher

19. Charles Hally, Production Control-Shop Load Analysis, Plant 17 — G.E. undercounter dishwasher

20. James Bollinger Sr., Maintenance-Rearrangement, Plant 6 — Polaroid Model 360 electronic flash camera kit

21. Vincent Ciampa, Machine Operations-Parts Control, Plant 2 — G.E. 12-inch Port-a-Color TV

22. Stanley Ostrosky, Machine Shop, Plant 5 — Polaroid Model 360 electronic flash camera kit

23. Stephen Wisman, KSC Manufacturing Shops, Plant 83 — Hamilton gas dryer

24. Arthur Minardi, Hydraulics, Plant 7 — G.E. automatic dryer

John Lacina

Ron King

Flying Club taking off

It was two days before last Christmas when two pilots took off from Kennedy Airport on an emergency trip to Burlington, Vt., and back. They ferried a girl suffering from osteomyelitis to Kennedy. From there she went home for the holidays.

An unusual service? True. Yet one well within the scope of the GACE (Grumman Aerospace Corporation Employees) Flying Club, Inc., a new organization made up of Grummanites. The club is buying 10 aircraft—six Cessna 150 Commuters, three Cessna 172 Skyhawks, and a Cessna 182 Skylane—and will soon install a Flightmatic 200 flight simulator.

The purposes and capabilities of the GACE Flying Club go far beyond the earlier, defunct flying club set up in 1947; then they flew two Aeronca Champions, first from the Bethpage field and later from Deer Park. The proposed base of operations for GACE is Farmingdale and Brookhaven airports and flight training will be done primarily at Republic airport in Farmingdale with some training at Brookhaven.

"What we're going to do in the club, already about 350 members strong," says Carl Echols, Activities Chairman, "is promote safe and economical flying; exchange techniques, procedures, rules, and regulations among Grumman employees, their families and friends; and stimulate interest in navigation, mechanics, and related areas of interest.

"Most important is that members will be able to fly or learn to fly. The club is certified by the FAA and is now conducting a series of approved ground-school courses for private, commercial, and instrument ratings."

Officers of GACE are: Norm Sternberg, President; Corky Meyer, Vice President; Ed Ford, Secretary; Lou DeAngelis, Financial Secretary; Vic Sanc, Treasurer; John Brooks, Membership Chairman; and Carl Echols. For more information, call Echols on Ext. 6101.